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# SEQUENCE LISTING

<110> Munger, William E.  
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Yamamoto, Jun

<120> Identifying Drugs for and Diagnosis of Benign Prostatic  
Hyperplasia Using Gene Expression Profiles

<130> 44921-5029-US

<140> US 09/873,319

<141> 2001-06-05

<150> US 60/223,323

<151> 2000-08-07

<160> 755

<170> PatentIn Ver. 2.1

<210> 1

<211> 333

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<213> Homo sapiens

<220>

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<400> 1

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gcccagccac caccgcgaga acactatttg ggctggagtg tgaccgccga ggtgatcctg 180
gcaggaggct ggggttggtc cctcgactcc acaaactctg aggagtgggt ggggacacca 240
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<210> 2

<211> 287

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<213> Homo sapiens

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attagaagag agaaatcctg gcagtctgtc tagagggtta aacatttcac gcatttgtga 240
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<211> 468

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<213> Homo sapiens

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<220>  
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 gtttagtaat cgtctaagaa taattgtaga aataacccca attccaccat cccagccact 180  
 ggtataaaac aaataccttc catgaaactg tctttcacat aactaaaata tcctcactta 240  
 cttggaacaa tttcatgctt acacatgatc acaaacattt gtttttagat gttgtggaat 300  
 tactggagct gagatttctg aaacaatatc tgaatcttag cagagagata ataatccttt 360  
 cactatacat tgcttgggct tccttaacca aatctgagta actactggta ataataatgc 420  
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 <213> Homo sapiens

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<220>  
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 <222> (1)..(163)  
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<400> 4  
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 cagggcgggg tttggtcctg aaaaaatggg gtggggcggt tacctcttac cgcttgggac 120  
 cttgggacct cttnttgacc ccaggaagag attagaagcc ctt 163

<210> 5  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA019034

<400> 5  
 tatctttaca aatgacagaa tatttattaa caataccttt aaaaaagatt acatatgcta 60  
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<210> 6  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

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 <223> Genbank Accession No. AA019433

<220>  
 <221> unsure  
 <222> (1)..(482)  
 <223> n = a or c or g or t

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<400> 6
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tgaccactcc ataggcagag aaacgtcact ttaagggtttt gacatcaatt gattttttgtc 180
caaatcaata attactgcaa tgattgaaaa atgattatta ctaagtttgt tttcattgtc 240
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tt
482

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<210> 7
<211> 245
<212> DNA
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<220>
<221> unsure
<222> (1)..(245)
<223> n = a or c or g or t

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<400> 7
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tttctggggc agactttttc cggggccgat ctttggaac ggacagaaat tcgggtgcgt 180
ctgtggagag aggggtggat ggagcactag aaggcgcact gcggacngaa aaaaggcccc 240
ccccg
245

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<210> 8
<211> 337
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA025370

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<400> 8
ggatggaata caatttccaa tagtgtctag gccgacaccc ctccaccctc ctttgctgt 60
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tttaagagtc catcaaagtg tcatatgtgt taggtgtgaa atggcgacac tgggaattac 180
tgttaataag ggggtggtgc agcacggtga ttgttatgag aacatcccca ccgccccact 240
tttgtttgaa gactttcgta ctgaactaca tgttgtttac tttcaacaac gtatacacta 300
cagttgacaa aagttaatct cggtgataag aatatgc
337

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<210> 9
<211> 411
<212> DNA
<213> Homo sapiens

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<220>
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<220>
<221> unsure
<222> (1)..(411)
<223> n = a or c or g or t

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<400> 9

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ttntntgtgca aagagaaata ggctcgttta ttnattcatt gatcaactgg cacttcttga 60
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gggtggaaag gacctggacc acacagagca ggactccaga gcctcctcca tatggcagga 180
atcaagcttt cacaggggaa acgcaggatt tcccacacat gcccattgcaa cacttcaagt 240
cacgcttgca ctggccatcc atctcacaga aattgggggg gtttagcatc naacattggc 300
canaantcac tnggnacttn ccaagggttn cnccttgttg ggnttngggg ggtnnacagg 360
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<210> 10
<211> 471
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA028092

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<400> 10
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ttttacaaca tattgtacaa aagatacatt gataggctct tatctattta tatatttata 180
attacatatt gcacttggac cagcaaggct tgcagagtca ttcacggtag aagttaataa 240
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aagcagagac agagagcact gagggcaggg gtcgccttcc cggggccccg tccccccggg 420
aggcggcctt tccagactc gcacctccaa ggtcaggacg cggtggttcc a 471

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<210> 11
<211> 422
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA029356

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<220>
<221> unsure
<222> (1)..(422)
<223> n = a or c or g or t

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<400> 11
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aatggtgcta tcttaaacac caaatatcaa ctgcagttca ctttttccgt gtgggggacta 120
atatcaagat ttcataatgaa ttatagtata atccagaagt atgaaaaaat acatcatatt 180
taacttataa agcattcatc tgcattgtat aagatattac agtaaataca attaggtact 240
taccattttta tctttacttt aaaaacaatg cctnttccaa aatataaaaa aaagacctat 300
ttttaaagan ctattttaaag atngcttttg aaaacaacac ttttatntta cnacaaatag 360
atggtagtgg caacagcact cgtggatgtt tacngntaaa taaaaatacc tagtattccg 420
gg 422

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<210> 12
<211> 253
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA029597

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<400> 12
gccagaacca aacgtctcct tttattgcaa ggtcaaacc ttttcatttt gtctattttat 60
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aataaatagt cttaaataag aaaacaaaca ggttgaagga aagcaagctc atcgctcctga 180

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acgaggggatt aaaggggggg ggtgttcaaa agagctttgg atggaaataa ataatctctt 240  
tgctttgtaa cac 253

<210> 13  
<211> 186  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA031360

<220>  
<221> unsure  
<222> (1)..(186)  
<223> n = a or c or g or t

<400> 13  
aaaattttaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60  
tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120  
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc nagccnttag 180  
ggtnc 186

<210> 14  
<211> 206  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA036900

<220>  
<221> unsure  
<222> (1)..(206)  
<223> n = a or c or g or t

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tatttattga caggttgggc tgtgtgtgtg cgcattgtgtg tatacatttc caggcgtgcc 120  
tgtgtcctgt agctttttaa aaggaaaccc agtcatccca ctatgaatct ggcattcttc 180  
tatgcttcta gtgttttggc canaca 206

<210> 15  
<211> 494  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA039935

<220>  
<221> unsure  
<222> (1)..(494)  
<223> n = a or c or g or t

<400> 15  
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gtaaaatacg attcaccctt ctacgaaaac ctttttccca cactcgaaan gaanatagaa 120  
aaccagcag agagcagtac aantcagcat gcggtcccng atagctgaag tctcgggcng 180  
gccagtgggt ccctgcggaa nagccttcgt nggtgganag nactcctggc ccaggtggnc 240  
ccaccagann ntcnntgacc ntctcnanga gacttgcnag gtangcagct cccnnacacc 300  
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caccaaggct tggggggctg ggggggcctg ctggcccagt gaagatgcag tggctctgttc 420  
 agcctgggggt caagttgggg gaaaggggtt ctgaggggtc agcacctccc cagaggacaa 480  
 ggagagaagc tgcn 494

<210> 16  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA040433

<220>  
 <221> unsure  
 <222> (1)..(421)  
 <223> n = a or c or g or t

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 ttcagctcca gggctctgggc taggaagacg ttccagtgcac ctctgtgggg gccagcgagc 180  
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 aagtggaaga ttctggctgt gtggccttgg cagggtagctt cacctctctg agcctcagtt 300  
 tctcatctt ttaccagctt ccagaggtag atctccacca agtccgaggc ctengtggtc 360  
 ccagggggcaa agcgacgnag gttngtctng ggctttgggg gataccggat gttttggacg 420  
 a 421

<210> 17  
 <211> 486  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA040731

<220>  
 <221> unsure  
 <222> (1)..(486)  
 <223> n = a or c or g or t

<400> 17  
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 gccaaagtaca aactttttgat ttttgaaatt ttttcaactc agggccaagt acaatctttt 120  
 gatttaaaaa ttttttttca tgaacaaacc atcagtagtt attaaggagc ccaagaaata 180  
 ggagatgtga aagcaggatt tctttgtgtt tcttttgaat gttgttattt tgagtattat 240  
 cattatcagg tagaggaaga aaggtaggct gggaagtagg tccttatgat atcttgacta 300  
 tggatcccag atttacattt cacctngtca cagagcacac ataatttaag ataaacatgt 360  
 caagaatgac ataaaccaga ggtaaacacc aaggagcttt acatttgga cngaaaaata 420  
 aaaattagaa aaattattac cccatattaa taaccaaaaa attacttaaa ctctaggnc 480  
 cccngg 486

<210> 18  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA043349

<400> 18  
 cttttatgca gagtttgatt atgcttttatt tttaaaaatc acattcttcc ccattcccag 60

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ccaacgaaca acactattca ttctgaaata agaaaatgaa agaattttga gaagtcacac 120
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gagatgggtt ttcactttca acatgcgtca tagcatctga ttttctgagc catcttggga 240
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ttagtg

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<210> 19
<211> 353
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA043777

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<220>
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<222> (1)..(353)
<223> n = a or c or g or t

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<400> 19
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ccagggccaa agaaccacaaa taaatccaag gagagagacc aacaaatgta tattttataac 240
acagagtaat aaaacacaaa taaatgtgga gttattttaag catgtaagat ggtacatgct 300
ctaccaaggt atgggggctt ctctaagaca caagatcaga tttaaagtctt gaa 353

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<210> 20
<211> 382
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA044219

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<220>
<221> unsure
<222> (1)..(382)
<223> n = a or c or g or t

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<400> 20
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atgcgggagg gcctgggggc tcagagggaa gaactgaggc aagaagcccc ggtgatccag 180
tcagaggatt gggcagcctg acctcggggg ggggagccag cactngacaa caaggaggga 240
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<210> 21
<211> 428
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA045481

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<220> .
<221> unsure
<222> (1)..(428)
<223> n = a or c or g or t

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ggtcgtctta caaaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct 120
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gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240
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aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360
ttggccccct ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tccccggat 420
tccngcga
428

<210> 22
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045487

<400> 22
ggaaagcatt ttcaaacctt atttacaact gtcacagtga caaaaagtag tttggaaaaa 60
aaaaaatgct agtttctccc tgagcctcaa aaaagaacag atagaagtta caggagggtc 120
atctcacaa aggcattttt actgaaatac taggaatttt ttcaatacaa tcagttagaa 180
atacacaaa attacttgaa aaaaaaaaaa agaggaggcc agataggagc tcagccactt 240
gtccaagagc agctgggtcc cccagcagg ctccaccgct gagggctctg acattagctg 300
tcagcccctg gcctgctcag actggcaa
328

<210> 23
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045503

<400> 23
ctgtgagact gtccttttatt gtgtatacag gttccagcgt cagggctctc ccacggcccc 60
ctccccagtc ctcccccaag ggcccagagt ggtgggagtg agaggccacc ctaaggcaca 120
ctgaccagag aggcattggag ggaggaggct gacttgccct ggggaccctt gctaactgag 180
accaccctt cccctccacc ctgcttctgt atgtgggaga cgaaaccaag agtcaactgg 240
ggcagcaggc atttcccagg gttaaggctg atggaaggtc cctatcccag atgggagatg 300
ggggcttttc ctatgactcc ccccatcccc cagctggaag acgtggggag ggggcatag 360
ccttagagag gtagaatgag gggaaatact cctcagtgcc ca
402

<210> 24
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA045825

<220>
<221> unsure
<222> (1)..(437)
<223> n = a or c or g or t

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<400> 24  
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aatacgcaag ggggtgggag tatggctccc ctaccccatg tgagagccct gtaaccaagc 120  
cagtggggtg ggaacgttga cttgactgtn gcaaattcag gctcagcacc ttccaaagaa 180  
caagctccca ggcaggaggg ctctttgcaa cacaaggggg aaaggagtgg caccctggaa 240  
gggcctgggc tgcgaccac cctgggctgc ttggctcctg tatactgccc acctcaaccc 300  
ctcaagagga aggcttcaca gctgggggta tgtagttcag agaaccggg ctaaaccag 360  
ccctcccaaa acccaggtta tctgcctcgg gcctcagttt ccctcctccc agtgattacc 420  
caagttgggc ccatcag 437

<210> 25  
<211> 397  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA045870

<220>  
<221> unsure  
<222> (1)..(397)  
<223> n = a or c or g or t

<400> 25  
gttttagagtc taaaactaaa acctaatacat ttngtcacag tgtaaaaaaca aatggaaata 60  
acagctcaaa tcttcaaaat attactatag cattatgttt aaaataatct acaacaaaaa 120  
tgtaccattt tcaagcagta ctacattagg agccctttta tagaaaataa tttcttcttt 180  
acccccgttc cagtgtgaat ctagtattct gttaacattt gtgtggcatt tggagtgtgt 240  
catccccatt gaaggagag ccttctcaga catgaagcaa gggaaacata ctgaatagtt 300  
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ttnggatttg ggattctcaa atggtataag ttggcct 397

<210> 26  
<211> 564  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA046426

<220>  
<221> unsure  
<222> (1)..(564)  
<223> n = a or c or g or t

<400> 26  
ttttttnttt tttcacttta tcatttactt tttattgtgt tgcttgaagt acctatgtaa 60  
tgcaagtatg tactgtacta aaatacctat atttccaaat aacatatgtg gtgtagccca 120  
cagtctctgc agaagcatca tgagtaacct gtgcctttac actttacaat ccgttattgg 180  
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caaacacgca catacacagc ttacaatgga atcccaatgg aaataagtga caacatctga 300  
tgtagaatct ataaaatgta gactctgcaa taaaaagcca aaggacgtaa aaatatattt 360  
taacttttaa aataacttag ttacagtaat actttgcctg tgtcttacca acatgtagct 420  
gacagtcaaa attttgcaat atagatatata tatataggga tatataagaa ctacaagaaa 480  
atccccaaaa ccataaagt tcaaatgtga aacagaaaag ttaaacctgg agattcgcta 540  
tggtgancta gccatatttg gaag 564

<210> 27  
<211> 560  
<212> DNA  
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA046840

<220>
<221> unsure
<222> (1)..(560)
<223> n = a or c or g or t

<400> 27
tacaaatact gtaaaaatta atataaaaaa gtgagcatgc tcagtctttt cctcttatct 60
acaatacaaa gggtttgtct gaaaagtctg gttttttttc tttttacaaa tgtaccttag 120
ctgcatcaac aggagtaaga tgtagaaaaa gctaccatta caaaaaataat ttaagggaaa 180
ataaacacgt ttagctttctc tcgcagttta gtggtggttaa gtccaggctg tagcttcttt 240
gcgctcctat gtcccaagaa actgcagcgg gcacccggcg gctctggctg cgcagggcag 300
ggcgcgctcc gctccggggc gtcgggtctg aggtatgggt cgttgctgag tctctcccgc 360
cccgccgcgc cgttaccggc agtctgctgt cccggcggcc ggcagaaggc cgggctgggc 420
agctgcttga agaactgccg gagggccagg tcccgcgtga ntgctccacg cgctggtgca 480
gttctcgttt cagcgacagc tcacaacttt gtgcantcct ggttgcgcgc cttggcttgt 540
ggggtttgcn acgggatgtt                                     560

<210> 28
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA047151

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

<400> 28
agaaaaacca ccatcggtgc acgtcgacga tgccaaatta tgttagcgtg acaganaaca 60
ccgtggggga ggaaggcagc agctgaagaa aaaagctcaa atgatctagt cactttcgat 120
actgtacttc agatgcgaaa tggatattcn gagtggaaac ctgacaaagt gcgcctgctt 180
tgatgtgaac tggatatagc aatgaccagt ggctgggtca gtgggatgtc tctctgtgag 240
cacaaaggct tatcaaatga cactaaagat aagttcaaca accatcacat tggaaggag 300
aaaggccgaa catttcatgt ttggccgggc atgtgagtgc acaagatgga aagagcgatt 360
ggagcatcct ggtataatta ccccatattg gctcttaatt gaaatttcaa aggacgggag 420
tattctgttg gttggtgtcc aggtttgtgg cactgttcca agag                                     464

<210> 29
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA047880

<400> 29
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag 60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120
aggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa 180
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag 240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg 300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa 360
ggtgacctct tttcccctaa tcttctttca acccagagag ttaaagtctt ctc                                     413

```

<210> 30  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA053424

<220>  
 <221> unsure  
 <222> (1)..(431)  
 <223> n = a or c or g or t

<400> 30  
 tttgagcttt cagatttgct tttatttgga gggaaattcc agagtgggga gccacccagg 60  
 aggagacagg ggtgccgagg cttctgggag tctggaagct cccggatgga gaggcttaca 120  
 gccccagcct tccccagcag gagcacaggc aggggactgg ccaagtctgt cagctcagag 180  
 caggaccggc ttcagggcct gacttcggtc tcctcttgac ccgccccgga ggcttggtgt 240  
 gggctctgtg tttgcagctc tcctgaacag agctagatga ggggtgggagg cccccgttgg 300  
 ctcacacagt ggatgctacc atctccggcc tcttggatgt ggagctctgt gccagagtca 360  
 acagtctcca ggggtgggccc gaagttgttg taggcgntct caaggccgaa atctgctctt 420  
 cctcagattc t 431

<210> 31  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA055163

<400> 31  
 tttttcaaaa tatgagttta atgacagaat tagttagcta gtattccaca aaaagtattg 60  
 ctctattttc aaaaaatttg cacagtgtct tacacatgtg ctaaaagatt gagaaaaataa 120  
 attagaaaaat tatactgcac acttaacact aaatctacca agcacaatgt aactttttaga 180  
 cagctcagaa ggacttttg gatttttttt ttttccagtg cctcagggat cagtatgaac 240  
 tccaattatt gttgcccttg ccaattgttg gagtactgat aactggagag ttaattgact 300  
 gctggataaa gcaatcttta atctaaatgg ggaaggctca ctagcagcta cagaggaagg 360  
 gggatttcag atcccagctt aaggctagga agccagctga cccaatcaga gacatgaacc 420  
 catcagaaaa atgtaaaagt tttcatcttt c 451

<210> 32  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA055768

<400> 32  
 tttttttttt tctgttcaaa aaaggtttta tccaaaaaag ttaatcaaga caagcaacag 60  
 atactgcaaa gcattatata cagcaccata gtccaggggc caaagaaatc aggaggggct 120  
 gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180  
 aacacacaat ttctaatttc tgtaggcag aatgctcccc taccctgatg ccacagcctt 240  
 tcacgtttcc taaaccctag taacctctga tctccatctg cctcatcaac acgtcaccac 300  
 cctttgctct tcttccaatt tagtcacatg ttgggctgaa tttatttcca ctcc 354

<210> 33  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

```

<220>
<223> Genbank Accession No. AA056121

<220>
<221> unsure
<222> (1)..(610)
<223> n = a or c or g or t

<400> 33
ctccccctcc ctgctccaag ccggagggtt cctgagggtga cagcgccctgc aactgaaatt 60
tcagcagcgg gagaagatgg acaagagaaa gctcggggcga cggccatctt catccgataa 120
gaaagatggt aaatgcaaaa ccagaggatg tccatgttca atcaccactg tccaaattca 180
gaagctcaga acgctggact ctccctttgc agtgggaaaag aagcctaagg aataaagtca 240
tctctctaga ccataaaaat aaaaaacata tccgagggtg tcctgttact tccaagtcac 300
caccagaaaag gcaactcaaa gttatgttga cgaatgtcct atggacggat ttaggacgaa 360
aattcagaaa gaccctacct agaaacgatg ctaattttatg tgatgccaac aagggtgcaat 420
cagactcatt gccttcgaca tctgttgaca gcctagagac atgtcaaaaa ttagaacctc 480
ttcgccaaag ccttaattta tctgaaagga tnccagagtt atattgacga atgtctggga 540
acgggttagg aagaaatcct aaggncacc ctgtactgag ggaattggtg ttcagcaant 600
gcatcagga                                     610

<210> 34
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA057195

<220>
<221> unsure
<222> (1)..(404)
<223> n = a or c or g or t

<400> 34
agaaaaacca agtgtcttta ttctcgatc gtttagtatg gcggtgggcg gcgcgcgcgg 60
gggagcctgg agcccaggga atcgacctgg agggccagtn gngggancgg aggggtgcgag 120
gntcggctcc tccgcagccg gccctggagg gggtcttggg ggatcgcgcc aggccaaaag 180
tctgcatggg cggccccgag cctccctgag ccggcgcgcc ccgggnttng ggagaggccn 240
ctctgnncgc ggtgccgntg cggggccggg tgcggcgctc gcccaagggc taagggtgcc 300
cgtctcaggc gagaccccag gagcccgcg cccccgctgt ctcttcagcc gacgtagaca 360
cgtngggccg ggaaccccag tcttaacgcg tgttcaagct ctgg                                     404

<210> 35
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA057829

<220>
<221> unsure
<222> (1)..(491)
<223> n = a or c or g or t

<400> 35
cacggccagc ctctcctgca gctgcgcgtn gctcacctcg ctctggcccc tgggtgccgtc 60
cacctccagg gtggcctcac cgctccctcag cgagacgggtg accacgtgct cttggccgctc 120
gcagacttga tctccattag ggccaaggcg tatgtctccac ggccaggacc accagctgct 180

```



```

tcttgagttt cttcgtggag tgatagtcta ccagtgccac agagagaggc acggcacgga 240
ggtcggggggc ccagangcgc aaacaagcac gcctgtgtct gcggctgggc ggattgtgaa 300
gccacgactt ctacttccca gggtgattca gtcccgacgt ccagaagggg tccgcatgta 360
gtccaggctg tagaaggcga agcttncccc ggggttagaa agaagcctct ctccgtcacc 420
gagaagcact gcatacctcgt gtttatttca ccgttttccct ggatggtggt gtcttctccg 480
ttcagccagt t
491

```

```

<210> 36
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA070752

```

```

<220>
<221> unsure
<222> (1)..(436)
<223> n = a or c or g or t

```

```

<400> 36
acgtgcagtt cagtcaatga aatcctgagg attggataaa gtaaacaac tgaaatggat 60
gcatactacc atctactgat gaggaagata tgaggctcta gttgtgaatc atgaaatatt 120
tagagtctgg gtacccatga gttagaagag gatttgctga ggatcatttag gtcttcattc 180
tgctgtgatg tccagttgag ctactgacgg tcctctggct gcttctggaa actgatgctg 240
gcataggcgc ttaaatacctc acttgagcgg cgggtggagc tgctctcacc gctgcccagg 300
ggttgatgan ngggtggggg tgggggaagg ctgcggttca ggggtgcact cctgagggca 360
ctgtttgaag tccttgacca aatccaggtc tatgtagtta agaccattct ccaaaccccc 420
agcagcccca cacagt
436

```

```

<210> 37
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA082546

```

```

<220>
<221> unsure
<222> (1)..(558)
<223> n = a or c or g or t

```

```

<400> 37
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc 120
ttctgagccc tggagctgga gcccagcagt tggagggtgg gcacctgcca ggcagcgcca 180
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc 240
tggtctcctc tgtgtctgct gacagagtaa ccggtttaac tacagcctcc tctcactcca 300
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan 360
tcctgtcatt tataggggaa gatggagcag ggggttgatt acacagatgg ggggcccctc 420
gaattggcct gcttctcaga atgttgacca taggtnaaaa gcaaggggat cgggggttcag 480
gaccancaga atgttttagt aatctgnatg aatgagaccc caggatttat gtgtccatta 540
agtggttggt gtgntttaa aaaaaaa
567

```

```

<210> 38
<211> 328
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<223> Genbank Accession No. AA084138

<400> 38

```
ggttacaaga ttctttatatt tgtaaactat acataaacag taaaaaagaa aatgcattat 60
actttattac gtaaagtcaa cattaaattt tgtattgagt gtgtataaat taaatggaaa 120
taattaatca attttgcttt caatgaattg tatactggga aaccagttta cccactgttg 180
aaattaaaga taccaatacg taacattcaa caggtttttc catttttatt atgggcacaa 240
aaccattggg atgatatagt taaaagtgat ggtgtgccaa aatgtctaca caattaatta 300
acatgctaac ttaaatacag cggttaaa 328
```

<210> 39

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA085943

<220>

<221> unsure

<222> (1)..(370)

<223> n = a or c or g or t

<400> 39

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agaacccagc ggtgttctga ggggagcgtt tatttcaagc naccgatggg acaaacantc 60
ccaggtcttc caggtgnan tgnccggggc ggcacacctca cttccagcgg cctccaacgc 120
ggcccttccc tgcccccttc cggaacttct gggcgtggct gatgcggttg tacagcacgt 180
tgatctcata tttctgctgt ttcagcttcg ccatcaggtc gaacttctca gactccagct 240
ggtggatcca gtccgacagc tcttgggctt tctcccggag ctgttctctc cccatgtaag 300
tcaatgttca agagggcttc ttaacgctcg gaaaaggaat gcgcaccttc atctcccggc 360
ccccgtctgg 370
```

<210> 40

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA086264

<220>

<221> unsure

<222> (1)..(406)

<223> n = a or c or g or t

<400> 40

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tttttttttt tttttttttt tttttttttt tttttttttt tttttccan ggaaacactt 60
ttatttcngg aagtcagaag aaaaacaang ngcacacctt gaatgacaca gagcggcagn 120
tggaaccac aggggctgcc ganagctggc ctttcacagc agaccactgt tttccagtga 180
gaatggtggg ccattccaaa acaaagctaa aggggttcaa acatccagaa tggaagctgc 240
ttcccccaac tccattacct atactacagg atggattgct ttttgtgaga ccccttcttc 300
cactgggcaa ttttnggcatt tatttaccct cccccgatt tttaaaagct aaaatggcgt 360
cccaggggaag aagtgcgggc ttggatgcan gcttggggcca ntcact 406
```

<210> 41

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA091278

<400> 41  
 gtttgccttc taattgatca ttttagactat tctggctaag tctgcccaca tgtaattacc 60  
 ggctaattca agcgaggaaa aatgtaagtc atttagacca aagccaagca gtttctttgc 120  
 gtgggttact caagggttg tggttacttg tatctcctct atgtgaactt gactttgaaa 180  
 gacagagctc tagtgtgcca gcctgctaag tcctgtaaga ataggaggag cggagggggg 240  
 ggcagtacta 250

<210> 42  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA092716

<400> 42  
 gcgagtctgg aactctttct tcggggcccc ggggcacacc atggagggtct cctgttgaat 60  
 ggcccttggt gccctagagt gggacccagc cctcacctcc cccagagcta acctgggagg 120  
 tgctgaaggg gcattgggccc accgtaagca agggaaaaag ggcagatcat gcgggggagat 180  
 gaccttgatc tttgattgct accctaacct tgacctttaa cccgtgattc cccagctcc 240  
 tggagagatg tctaatatct cttagggacc agaccctaaa ttctctctcc ccatttgatg 300  
 ttagtggt 307

<210> 43  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA093923

<400> 43  
 gtcataatgg accagtcatg tgatttcagt atatacaact ccaccagacc cctccaaccc 60  
 atataacacc ccaccctgt tcgcttcctg tatggtgata tcatatgtaa catttactcc 120  
 tgtttctgct gattgttttt ttaatgttg ggtttgtttt tgacatcagc tgtaatcatt 180  
 cctgtgctgt gtttttgatt accctggtag gtattagact gcacttttta aaaaagggtc 240  
 tgcacgtgg agcatttgac cacagtggac gcgtggctat gcagggtgatt cctcagtcct 300  
 ccttggtct 309

<210> 44  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA094800

<400> 44  
 gcgactgcag aaaaagttcc agaaacaatt tgggggttagg cagaaatggg atcagaaatc 60  
 acagaaaccc cgagactctt cagttgaagt tcgtagtgat tgggaagtga aagaggaaat 120  
 ggattttcct cagttgatga agatgcgcta cttggaagta tcagagccac aggacattga 180  
 gtgttggttg gccctagaat actacgacaa agcctttgac cgcatcacca cgaggagtag 240  
 aggccactgc ggcatacaag gcactctcac a 271

<210> 45  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA099820

<220>

<221> unsure

<222> (1) .. (323)

<223> n = a or c or g or t

<400> 45

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gtgacatggt ttttgcttta ttgaaattct ctcttacaaa aggtctgang tatttttaggc 60
caggcctaata ttgcttttggc ccctgaaatg caggcccatg gtcatttcca tgtcctctga 120
agtaggtatg taaactagta gacttccatt ttttaagggtc acacactttt taacattggt 180
tttattttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240
atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccgggtt ggggaatttag 300
tttgttcaat gtggcatctt tca 323
```

<210> 46

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA101767

<400> 46

```
catttcataa ataatgtact ttattttatt gcatatggct attaaggagg gcatccatga 60
tcaatacaga ctaaatacaa tgcactattc tagtccagtt tattctcgtc tccagcagca 120
tcacattgac ccctatatac agcgtgtaca gtggaagaca gagcaagata agttaagtct 180
cttgtcatat cacaatagca agaaatatat ttaacatctt gatatccaga aacaatacgt 240
acccaaaaag aaaacactgt ttaataactg ttaaagttta tatagcaaaa aatattttta 300
atttaaggta agtcaggcaa aatgtacaaa gacccaatat acattgtgaa gtttttagcaa 360
acataacatt tatacatttt ggttccattc tgtaaaactaa attaaaaatg gtaaatattg 420
catatgcctt t 431
```

<210> 47

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA102489

<400> 47

```
agtctacaag ttcagaccca catgtaacgg atttttgctt catgggttgc agaggctagt 60
gtgcattatt tctgaggatt atatccaatg acacgacgca gaaaacacaa atggacggac 120
agacggatgg acataatcat taagacaaga gactctaaaa cgtgccttag tgtccacgtg 180
attgatctaa ggcggggacc cttctaagggt ggggacccga gtgatctaaa gcagggtggc 240
ttccagcaca aggggtgccga 260
```

<210> 48

<211> 365

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA121142

<220>

<221> unsure

<222> (1) .. (365)

<223> n = a or c or g or t

```

<400> 48
tttttttttt ttttcaacaa actcagcttg actttattac atggaagctt gcagggagcc 60
agcggggaag gcctgtcttg gcaggaactc catggctggg ctggactgga ctgagcagtt 120
ggtgttccag atctgccggg gagaccagat caacagcctg cctcttcagt ttatatccgg 180
aagactcgcc caggtccttg ctacttgggg ccaaggtagg aaacagcctt tcctgttttg 240
ttgagggttg ccancagggt gtctgagctg tgcccaaagt cgatgcagac cttctttttg 300
ggcaagggtca atgttgaact ccantcctcc caagcttggt tgaaggactc tggaaaacgg 360
gtttt 365

```

```

<210> 49
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA127946

```

```

<220>
<221> unsure
<222> (1)..(261)
<223> n = a or c or g or t

```

```

<400> 49
ttaaagtgaagaaaacttta ttttgagtaa tatacatatc attcattcca ttttaattttc 60
atagctatgc nctatgaaaa ttaaattggaa tgagtaatat acatatcatt cattccattt 120
aattttcata gtgcatagct atgtgtagaa gtacacaggg aagaataaac attagaaata 180
cctagccatg aaaatataca agtgaagaca tttgatatat ccatggacng gcttggaagt 240
attataaaac aggatccatt a 261

```

```

<210> 50
<211> 444
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA130349

```

```

<220>
<221> unsure
<222> (1)..(444)
<223> n = a or c or g or t

```

```

<400> 50
tacaaaaaac aattgttatt tgtgtacttt taaaacctca cagtaatatatt ttcacactac 60
cttcttggt gaaagtccac actcggaatt ccagagcagt ccatggccag gccactggn 120
tccccttgct ctctccttgg ctttggtaac cactggcccc agggactcag cctgctttcc 180
tatccatccc ctcatagct gtcaccatgc aggttaccac ttctgtttct tctaccacta 240
actccatgtc tgactgcaag tgaaaggaac agaagcccaa acctttgggt ttttaaggagt 300
ttattgctaa tctgtaaaac agaaagagac aggagataag catgacaaaa tatagggaag 360
aatgacttt tgcctaaact tccaaactgt gtacaattga agcctccgct ttatagctct 420
tagcacacct ctcaaataag aagg 444

```

```

<210> 51
<211> 616
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA131322

```

```

<220>

```

```

<221> unsure
<222> (1)..(616)
<223> n = a or c or g or t

<400> 51
gatttccatg cactttaatg aggtccagca ctccaggagga ttagcgccca ccaccagctg 60
cctgggacag ggagggcccg agcaggtngc aggcgtcagg cttaggacag ggaagggggc 120
tcaggatggg gaagggctct caggacaggg gaaggggctc agaagagagc aggggggctta 180
ggacaggaag gggcactcag gacggggcag ggaaggtgtg gggggcagtc gccacctggg 240
taggaagcag tgggtgtttg gacaggaggg gctggctctc cagtgaccca ggtggacacc 300
ccaggcctga ctacaggctt tttggggaca tagtggtgga tccagtccaa gtagtaggtg 360
acacgggtgt agatgccagg ccggttgggc tgggcacagc tncgntccca gctgaccacg 420
cccgcctgta gccagggtgc attcaccttg cacaccaggg gccctccaga gttcgccctg 480
gcatgagtcc ctccgggtgt cccggcacac agcatgtcgt tcacggatga tgccgacgtc 540
gtctcccggt taggcgcca agtggtattt gcgtcacaaa tgtggtttcc attatgggga 600
ccttactgc ttcagg                                     616

<210> 52
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA131919

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

<400> 52
tttttttttt tcctgagtaa ttttttattt tgtgcagaga caggatccag aactcctggg 60
ctcaagtgat cctcccactt tggctctcca atgtgctaga attacagccc tgagccacgg 120
ccccatgccc cgtttttacc agtgtatatt ttctactgga aaatgagact tttagggatg 180
aatgtggact tgtctgttga aacttgtaaa tttgcttaaa aaaaaaaga tctccaagtc 240
ttcacaaaat tttatattcc ccaaggctgc cccatcacaa tgctgtgaa gcttgactgg 300
cagacactga ggctgaagc tgggggctgc aggggggtcac tggctcaccg ggtccccccg 360
taatctgtaa aacatactgg gtgaggagg ctgctggagg acctgaatct ctcccttctc 420
caggcagtag tgaggcatat gctgntggcc ttgggccaat taaa                                     464

<210> 53
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA133756

<400> 53
ctccatttat tttattttat ttttttataa aaaagcaggc ataaaatata attacattac 60
tacgaagatg caacaaaatt ttaaaaaaga aaaaggggtg caattttttt cagagaggac 120
agctgatcaa atattttata ttttctaaac catgcagttc attacttatt acaattccaa 180
acaaaactca ttattatggg gatgggagtc agggagaggc cccccccaa gcatgatatc 240
cagcgctgtc acacagtgtc tatgttcaaa gtgcttacaa atgggtgtctt cacagcatag 300
ggaagctgaa gccttattcc aggggaaggag aggtgagtca gtagcagtgt ccaatggcag 360
actcagaaag ctcggcagtg acttgctcaa aat                                     393

<210> 54
<211> 398
<212> DNA
<213> Homo sapiens

```

<220>  
<223> Genbank Accession No. AA135870

<400> 54  
aaaattttaa ataaaatttt attttatctt atactcaagt tcagacaata gcatgtggtg 60  
tacattcaaa atttttgaca ggtacagagc acattaaaaa atgaagacat gatcaaggag 120  
atgtaagaga caaatagaca acaacattct ccctgaatct ggaaaaaagc aagcaataag 180  
atcacgaaag gcagctgtaa aacaggatta ttctgcatgt gttgcccaca actagggcaa 240  
ggttatctct catcacaagt acaaagccat tgatgttagt gtgtaacaga gagaaaacag 300  
aggatttgta cagctgagga aataaatggc agatgtttaca caggaagcaa tataacatgg 360  
tcattaagta actgtattca accctcaaat ttaatttt 398

<210> 55  
<211> 390  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA135929

<220>  
<221> unsure  
<222> (1) .. (390)  
<223> n = a or c or g or t

<400> 55  
aaagatatca attatatatg tatataaaaa aaaaacctca ctttccccac aaaaagcaca 60  
atactgttat cacaaaaaaa atcatcatcc tcataattaa tcatcctagc cacgcagggtg 120  
tntttgctgc caaaagatgg gacgacaaat aacgttgacc aggcagaacc cctagacacc 180  
ctcggcccac ccacagcctc tccggctgcc gaagacgagg gacgagggca aggcagagtt 240  
ctctgaggtc cccaggcctt caccatctgt gtcagtctgt gtcttctagg acagaaggta 300  
gttggttttt tttcttttaa aacgtctgtt caaaataaaa aacaaaagca cacgcgcaag 360  
agaagcgggg aggaacggag gctgcctgcg 390

<210> 56  
<211> 511  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA142858

<400> 56  
tttttttttt ttttttttca aggggaaact ggggcagttt tattgacgat ggcaatgtac 60  
aagactccac acctaggtat gtgcacgagg taaggcctga gctcaggcct tatgatcctc 120  
ctcaggaccc ttgggggcaa acttctcctg cagtttcttc cacatgcctt tatctatttc 180  
cttaagctct tccaagggtg ctgtggacag gatcagcttg tactcttcca acgacaggcc 240  
actgaagctg gtgtctctgg ggcgagggtg cttgtgtttg tagtagtttg aatggagtcg 300  
cgctaagtct cgtacatctg atcacaggcc tcaggctctg aacctgggta ttctctccct 360  
cccgaaaggc ctgtgctacc cgctgtcgca ggtaagcgcc caagtcccgg ccccgtttgg 420  
tctcgtccac tggccattcc tcacagagct taagaaaacg ccggtaccgt gggccgccat 480  
ttgggccccg cgtgttcccc cccctcgtgc c 511

<210> 57  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA147224

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<220>
<221> unsure
<222> (1)..(341)
<223> n = a or c or g or t

<400> 57
aatacatttt cacagtgtgc tgaatgtctt tatttacaag atatcattct atagtgaata 60
tgaacaaaac gaatgtgcat ggttgaaata actgcttgat taaaaatgtg ctgtgaagat 120
gaatcactaa tcttttctaata gcactctgat aacacaataa acatggaaaa atactaatcc 180
cctaatagat cnaaatatag natatagncc ccnaaatatt tcnggggggat ggattttcct 240
tcngagggttt cncaaaaagg naaaanggaa atggnttccc ccagccaatg gtttagccaa 300
atattggggg aaatgccccat tccaatggga aaaacccgga t 341

<210> 58
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA149579

<220>
<221> unsure
<222> (1)..(561)
<223> n = a or c or g or t

<400> 58
atagtaaata tattacattt attctaaaac ttcaaaatta ttctgttttt gtagtactga 60
aaaaaagaca gtgccatttg aaacaacaga tgcattcttt atacattttc acaagtttgt 120
ttttcatatt tttaaaggcc ccatttatct gtaacagtgg tatttttatt tagagtatcg 180
gctacttaat atatacatgc aacaatatat gctttaatag tcatttaact ttaggaata 240
tttcatcaca ttaagtgggt aagcatagtg ttaaaagagt ggaatttaag gaataagaaa 300
atattgaaaa tacgctgtta ttttcatttg ttcactataa tagaatgttt ttgcccataa 360
aagttatcat tgcccaactg aattcctacc aagaactaac aagtgattct cagtggggag 420
aantttnttt nntnngaata tagagggtc gttagaaagt gcagatntag gcgggcgcgt 480
antcacaccg taatccagca cttggaggcc aggcgggcgg tcacgangta ggagatcgag 540
accatccggc tacacggtga a 561

<210> 59
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA150920

<220>
<221> unsure
<222> (1)..(420)
<223> n = a or c or g or t

<400> 59
agcgttgtaa ggtttatttg ggtaggggaag gggacaagtg aggttaactga tccttgcttt 60
gtagacagtg caagacaatt atttgtggtg aagggactgt atgccaacaa acgttactca 120
tgcttttagt aaaactttta gtcacctaaa acagaaacaa ttctnaagaa cactgggtga 180
aaatagaagt gtaaatgttt cagacaaaac caaggcattg tcagcacgat gtacattata 240
cggcagatan nacagccaca tcctaggcca cagagcagat cccaagagcc ccaggcatgc 300
aggagagttt taaaggaaca gacggaaatt ttaactgtga aaaccacgaa atttcatgac 360
ttttggtcag ctacnaccac aactaatata tgaccattaa gagtaaaatt ctgaccttta 420

```



<210> 60  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA151210

<220>  
 <221> unsure  
 <222> (1)..(426)  
 <223> n = a or c or g or t

<400> 60  
 tttttttttt tttctggatg aatacatgtt ctggtcttgt tacaggttct ggtaaatacag 60  
 atggagaaat gttgttgacg aaatgtcagc aaactttaca gcagtagttc acacatgcag 120  
 ctactataca ttcattcatt gctattttcc taagaaatgg agcaacctag gagcttatgc 180  
 tacagtagat tccaatgaac cataatgact acttcaagaa caaagaagca catncaaagg 240  
 tgtgatatct tcctgttggg ttgagttttc aaacctgaaa ttcttttaaaa tacattttctg 300  
 ggatttttatt taaatattga tgcnacacac ctaaaaagca gtgactttctt gggtaaaatg 360  
 taatactgaa atggaaaatt gtcttttcaa aaaaataaga agtgtgggtt ggaaattccc 420  
 cgtgcc 426

<210> 61  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA151428

<220>  
 <221> unsure  
 <222> (1)..(400)  
 <223> n = a or c or g or t

<400> 61  
 cagagagaaa gtgctttatc agccgggctc agcccgacaca cggactcgcc aggagtaggt 60  
 ggtcagcacg cgctgctggc ggcaccacg cagggtgtagg tgccctcatt gacggcgttg 120  
 gcgatgatgc tcagggtgagc ctgcccagc gccaggtagc cggggtagga gaactccagg 180  
 ggctcctggt ccttgtacca gtacactttc cctttcttgt ggaggatctt ctggccgcag 240  
 cggaaggatc cgttcctgcc ctccggnacca agcctgggtt tggctcctggg gggcggtggg 300  
 ggtggttggc caccgtgggg aaaggggaat ttcgtagcaa gaaantccgc aagctngctt 360  
 gggggcaaaa agcttccttt ccantgaagn cccgccggga 400

<210> 62  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA151544

<220>  
 <221> unsure  
 <222> (1)..(502)  
 <223> n = a or c or g or t

<400> 62  
 caggacgagc tgtgggggct gcaccggctc tacggatgcc tcgacaggct gtctgtgtgc 60

```

gcgtcctggg cnggaggggc ttctgcgacg ctgcgcggcg gtcnatgaag aggctctgcc 120
cagcagctgc gacttctgct acgaattccc ctccccacg gtggccacca acccaccgnc 180
ccccaaaggac caaaaccagg ctgggtgccga ggnaggaacg tgaccttccg ctgcggccag 240
aagatcctcc acaagaaagg gaaagtgtac tggtagaagg accaaggaag cccctggaag 300
ttctcctacc cgggctacct ggcccttggn cgaaggcgca ccttgaagca tcatcgccaa 360
cgccgtcaat gagggcacct acacctgcgt ggttgcgccg ccagcagcng ttgctgacca 420
cctactcctt ggcgagttcc gtgtgcgggg ctgagcgggt tgaataaagc aatttctctc 480
tgaaaaaaaa aaaaaaaaaa ag                                     502

```

```

<210> 63
<211> 285
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA152200

```

```

<220>
<221> unsure
<222> (1)..(285)
<223> n = a or c or g or t

```

```

<400> 63
tactcttccc tcctcattta ttttggaatg tgctagaaac agcttgaaac atcccccttaa 60
tagcttcccc gcctcacgag tgttgaatga catgacgaat tctccttcat agaaggtaca 120
ggtgaaccag aactggaggg gcatttgga tccctccttc ttcagaaagt gcgacgcgat 180
caagatgcat gtggttttca gtagaactgg cccatgtttc ttgggagcga ggtgtccaaa 240
ccactgttca tccatatttc cnggatgatt tgctcccngg gctca                                     285

```

```

<210> 64
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA156565

```

```

<400> 64
atagtaaata ttttaattgt tccatcagca attccagcac aagttttcct ggatggtagg 60
cagaatcaag ctacccaagg gttcatgatg aggtatgggg gtcactgagg agacccccag 120
agtcactgac ccctcccgcc acctccacac accaggtggc cctgcagaat gaggggttggg 180
ctgatagaat gtcaattagg ggagacagga tacaggggtga ggggaacaggg tctagcttgt 240
atatttgcct gcaggaagga gggagggcag gagagactct gcatagaagg actggaacta 300
cacatttaag ttttcaacc caatatgcag ggggaaacag ccaagccact ctccatctgt 360
ctagtattag gaacctctct tcaagtggc ttttgtcatc tctgttcttc ttcccaattc 420
tgtattccag attccaaatt ctacaattga aacccaa                                     457

```

```

<210> 65
<211> 428
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA156897

```

```

<400> 65
cagacatgga aatataatTT taaaaaattt ctctccaacc tccttcaaatt tcagtcacca 60
ctgttatatt accttctcca ggaaccctcc agtggggaag gctgcgatat tagatttcct 120
tgtatgcaaa gtttttggtg aaagctgtgc tcagaggagg tgagaggaga ggaaggagaa 180
aactgcatca taactttaca gaattgaatc tagagtcttc cccgaaaagc ccagaaactt 240
ctctgcagta tctggcttgt ccatctggtc taagggtggct gcttcttccc cagccatgag 300

```

tcagtttgtg cccatgaata atacacgacc tggtatttcc atgactgctt tactgtattt 360  
 ttaagggtcaa tatactgtac atttgataat aaaataatat tctcccaaaa aaaaaaaaaa 420  
 aaaaaaag 428

<210> 66  
 <211> 602  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA158262

<220>  
 <221> unsure  
 <222> (1)..(602)  
 <223> n = a or c or g or t

<400> 66  
 ggtcgagctc aggtttctgct tgccgggtgc ccagtgaagc cgacagagcc tcgagtgtctt 60  
 gatcactcat tgtatccttc tccaccttcc ttttcttctc ttgggggtgga gcagcacttc 120  
 tgactgtccc tgctgactga gcttttaaaa cttctgtaga ttctcttttt tcagttttct 180  
 ttccagcagc tgtaggcgac ccacaggtga agtcagatga caaggcgtct atagcatcat 240  
 ctggccctat gggtttagcc aatagttccc tatattttgg aggaattgtg acttctcttt 300  
 tacccaattc ctctatgtag gtggaactca ttggatctga aacttctggt ccagtatacg 360  
 ttgtattttc ttcttcagtt tcttcaggtc ctctaaagt atctattaag tcatccaaag 420  
 cagcatccat gcctgacttt cccgatgggt tatccgggtt agattcaact ggcacagctg 480  
 gggttaatga tttcttttct ttttcttgt canccggctt gcagatattg cagtgatacc 540  
 agcaacantc tctccaccag cagaaatcat gtcttggtggg ttagtctttg ggtcnggtga 600  
 tt 602

<210> 67  
 <211> 392  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA159025

<400> 67  
 ttgatgtcta gaaacatctt ttatttgggt aacagggtccc aaaacagggtc agttaataaa 60  
 atagattcta aagaatatgt ccctatgcac agccctccct ccccaaaaat aacgctgggg 120  
 gtaggcattg cctttccccc ttgggtcctt cgggtgtatt taaaaaaatg ttttggcagc 180  
 tcagtgttta tcatctgggc atgggacacc atgtccatgt ccccatattc ctaggggtaca 240  
 gcagcagtag atggctgcaa caaccttcct cctacccag cccagaaaat atttctgccc 300  
 caccacagga tccgggacca aaataaagag caagcaggcc cccttcactg aggtgctggg 360  
 tagggctcag tgccacatta ctgtgctttg ag 392

<210> 68  
 <211> 476  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA165312

<220>  
 <221> unsure  
 <222> (1)..(476)  
 <223> n = a or c or g or t

<400> 68

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tcgtnnntc gggtctgaga aataggcact ggcaatttac acatgccttg ctgtgtaatc 60
tcactatatt tgctcaggca aagtgggaga agcagcctta ggttttcatt ctagagatgc 120
cggctttccc acctgatcgg cttagagtgc acgattgact gttttgggct tcatttcacc 180
ctctacataa caagcgggtg gactagatgc cttagcaagg gtccgtggtg tgtggtgtct 240
ccagccacgc actcagctca atcttagcac agttaaaaaa tgccctttcta gcaagttatc 300
tgcccagtgct ctgaaaaagt atcattttct gtgttcaata aaaaagcctc ctaatttaat 360
caaggaccta tggagataac tgtcttttag ttgtggcatt gcaaggatac aaatgcagag 420
atattttaaa agtgatcctt ctgtaagagt gaaccacga tatgatctgg nagcaa 476

```

<210> 69

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA165313

<220>

<221> unsure

<222> (1)..(479)

<223> n = a or c or g or t

<400> 69

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cacaagcccc cacgtccata gccaaagtttt ccccggtttc ccagcagcca gtgacttctg 60
tagcatttagg attcttatag tagttattgt ctacatttct cagcagattg aatatgtact 120
gcctcttact actggactgt ttattcttaa atgtgtacag tatggattta tgtcgtctat 180
atattatgca tttatttgtc ttcttcgttg tgatggtaag ctccctggagg gcaagtcttg 240
catccactgc tttgctggca acccgactgg taagcttctg gaaggcaagg cttgcatcca 300
gtgctttgct ggcaacccga ttgctaagta ccgtgtttta agcttagttc agtctcaagt 360
gtttgcagcc acatctgaag accaataaag caactgctgg gtttatcccn tgggagctga 420
cagaatttcc tctcccaaata accatanaca ggaaaatcat aagcctgaat taccgggtg 479

```

<210> 70

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA171939

<220>

<221> unsure

<222> (1)..(298)

<223> n = a or c or g or t

<400> 70

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ttttttgagg cacctgtggg actttattag gtaaacagac cccagctcca gccacaggtt 60
ggaccggcca gctgacagtg cggcctcaga caccctcgcc aggttccttc ctccctcctc 120
tctcagggtc accagtgtgt gaaagatcgg ggcattgccg ccacaggggg aagcaggggt 180
caggctgccc cacctgggtc tggcctggc aggcgcccc tcacctggct ctgctgtggg 240
anccgagaac aaagacatna cctgcctggc tctgctgccc ccgggggggc agcnagca 298

```

<210> 71

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA173223

<220>

```

<221> unsure
<222> (1)..(596)
<223> n = a or c or g or t

<400> 71
tttttttttt ttcagccaaa ttcataattta ttccagtctc taacactctg ttgttatgtc 60
tgctgtaaga tgatcaggag ttagtatgaa gtattcttct ctacgcacca aagaaaacaa 120
acaaagcaaa cttcaagtca gtgaattagt taccacagtt aaaatgcatt tgattttgtc 180
cttttccttt ttcacaagaa cgacagctga atactctttc atgtgatgcc tgatatatttt 240
ctttttcttt ttctctcttt tttagacag ggtctttaag atgggggtct gctctgttgc 300
ccagggttga gtgcagtggt gcaatcttgg ctcatgtcaa cctcagcctc ctgttttcaa 360
gtgattcttc tgactcagcc tcccaggtag ctgggattac aggcattgtc accgtgccc 420
gctaattttt gtatttttag tagagatggg ggnttcacca tgttgccag gatggtctcg 480
aactcctgac ctgaagtgat ccacccgcct cggcctccca aaagtgtctg ggattaccgg 540
tgtgagccac tgtgccagct ctgatggtga aaatttcngg tacaggccta gcccan 596

<210> 72
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA180314

<400> 72
ttagcaaaaa cagctttttt attgtggtag tttgtggtat gtgtcctctg atcatgcaga 60
aaaaaggctg ggctcagtt agctccggga gccattctta ggaccctccg gctgcacaca 120
gagaggggct gggtagctgg ctgggctggg gcacgcattc actgggctgg cacaggctga 180
gggggtcttc gccactatc attaggcccc tccagcccggt tatgtctcagc ccccggtca 240
ggatgtcca gggcgtgccg ggtatcagcc tgccagagct gcaccaggtc cgtcgggggtc 300
tttctgcca ggttcttgggt catcatgtca gccccatgca ggagcagcag tttgatgatt 360
ttgtagcggg tgagcctcac agcgtcatgc agggcagtat ccctcgtg 408

<210> 73
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA182030

<220>
<221> unsure
<222> (1)..(479)
<223> n = a or c or g or t

<400> 73
atcatcataa aaaatattta ttataaaaaa ttatcacatt tctctgtaca tagcataaag 60
acaaaaacac aatgtataca ttaataaatt aagtgggcct gagtattcag tatccatcta 120
ctagaatcct aaagctcttc cccagatttc acaaaggcca atgtagatta tttctatttt 180
atcaaagttc atttgcacag ttggtgtaat tgagatacta acatttcttt tttctagtgt 240
tttaaagata gttcacagta tttgagttaa ttaattaatc aactgattta aatctttggg 300
aaatacaagt atttacatgt aaaaatgttt agctcaaatt tcagtaaaaa actggaaatg 360
accaataacc tactgccaac tgttttggta taatccagaa atgcatgagc cggactccca 420
cattaagaa atggcactgt cnaggacctc ngatgataaa actggaatcc ncaaaaaat 479

<210> 74
<211> 313
<212> DNA
<213> Homo sapiens

```

<220>  
<223> Genbank Accession No. AA182882

<220>  
<221> unsure  
<222> (1)..(313)  
<223> n = a or c or g or t

<400> 74  
ttctggcaca tgattgagca tttattgagg cactaacaga ggggtgctggg ggccccacca 60  
tccttgccctc tgcctttttc acctccccct ccctcccagc ttcttctgcc tagagcggtc 120  
cagattcccc tcacattttc ctggatcagg gccactcctc ccaggcacct cttgccctca 180  
ccagtacctt ttgtcccttc tcctgggggt gagggctcctc agctgtgctg gncccaact 240  
ctccaccctt agtgcccaact gtctctgccca ccctcccttt ggaactcagg gggctcaggc 300  
atcctggcct ctg 313

<210> 75  
<211> 258  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA188981

<220>  
<221> unsure  
<222> (1)..(258)  
<223> n = a or c or g or t

<400> 75  
tttacctttt actgagacaa tttattcac tatggatata tatacatgat caacatttta 60  
tcttcattct tcagaagact taattagagt agctttcttc tcatacttat ctctaattctc 120  
tttaatatatt tccgagagat cttctgacat gcattcntca tattctctat caacttttagc 180  
aatctgctcc tcaagatgtt tctctacaga cccaacatgt gtagcaacca tctctaacag 240  
acgttgcaag ttaatttc 258

<210> 76  
<211> 506  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA189083

<400> 76  
tttttttttat tccaaatgtc tttattgaaa cagaatgata gagcaagaaa taatgaggtc 60  
tgggtggatg tctttgggag caggatggag ccagaccca gtgggttacag tgtggagctc 120  
tctccctgtc ccctgactct ggccaaggaa gtgaatgcaa agcagcaggg aggaggcagg 180  
gtggggacgg ccctctgagc tctccgcgat ggctggcgtg aggtgcctct gagacttctg 240  
ggcagccctg ccttccctac tcagtcttcc cgatcttctt gccacctttc tgtgtggggc 300  
agcctcccg cagtaactca gaggccgctc agagggcagg gttgggggtg gcaagcagcg 360  
ggacgtggtc acagcgggta ggggggtggc gccgcagcag ggaaggccgg cgacacagct 420  
ccccgtcccg gagcacctcg ggcaggagct tgcgcttggt ctccggaagc agcataatgc 480  
tgaagaatgc agaagagggc gcaagc 506

<210> 77  
<211> 513  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA193197

<220>

<221> unsure

<222> (1)..(513)

<223> n = a or c or g or t

<400> 77

```
tttttgaatt tgactacttt tactttacaag agactttttcc ccatcaaacg atttcccat 60
ccatttatta cacttctgaa gtaggatttc tgaagtcac ttatggcatg taattcttag 120
tataatgcac aggattcctg tcatttttgaa gcacgaggag aggtttttga tatcttaaac 180
attttttttag tgtagatgca catattctcc acttccaatt gtaatagaaa atcagtttaa 240
ggatacccta atgatgcaaa tgaaatgatt agcaaacaac tcaaatttag gagccttctt 300
tacaatccat tgagtgaac agattcacaa aataatttgt tcaactgaag atttaattta 360
ttattagaaa atggttttaa actctgatca ttacattgaa gagtcaatga ctgagggttt 420
cttacctact ggctcatctc ttagacaata acttcttgaa taatttcnac atgagtgtct 480
gtacaagctt ttaaaaaacc gaataaatta aag 513
```

<210> 78

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA195678

<220>

<221> unsure

<222> (1)..(499)

<223> n = a or c or g or t

<400> 78

```
gaaaatttgc ctcttggtta ccctgtaatg gatggggccc agaaatgaaa tatttgagaa 60
aaacaagtga aaaggtcaag atacaaatgt gtattaaaaa aaaaaagcct attaataggg 120
tttctgctgc gtgcagggtt gtaaacctgc ntttatcttt taggattatt cctaaatgca 180
tcttctttat aaacttgact tgctatctca gcaagataaa ttatattaaa aaaataagaa 240
tcttgcagtg ttttaaggaac tctttttttg taaatcacgg acacctcaat tagcaagaac 300
tgaggggagg gctttttcca ttgtttaatg ttttgtgatt ttttagctaaa gagaggggaa 360
ctcatctaag taacatttgc acatgataca gcaaaaggag ttcattgcaa tactgtcttt 420
ggatattgtt tcagtactgg gtgtttaaag gacaaatagc tgctagaatt caggggtaaa 480
tgtaagtgtt cagaaaacg 499
```

<210> 79

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA197112

<220>

<221> unsure

<222> (1)..(463)

<223> n = a or c or g or t

<400> 79

```
aaagtataaa gtgtttttgga aaaaaaggaa aaaaatctat ataaaaatct cttcacatat 60
aaaatcctga agaagggtgca aggtgagacc cagtgcgagg ggcgtgctca gatatgcagt 120
gtgtgtgtgt gtgtgtgtgt gtgtgtatcc gtgtgtacat gtgtgcacgt gtgtcgtatg 180
tgtctgtgtg tctgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtggtgg gtgcaagtgc 240
acgtgtggcc cacagagggt ggggagaaaag cttggccttt tacttccatc caggagggaa 300
```

```

ggagggcggc tggctcctcca gccttggagg gtctgcagct gggcgggacc tctactcagc 360
caggctgttg cgcctcgcact ccttctcctg gagggcggcc atggcaagac gcagggtgctc 420
cttcagctgc tcgatctccc gctcagaccg tgtctngatg tga 463

```

```

<210> 80
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA205376

```

```

<400> 80
aagatttgaa ttttttttat tatcccagca aacattacac tagagaaaat gattgggaaa 60
atacaaataa gttcatttaa aacacaggct gattattcat atctattaca ttcagaatta 120
tgcgaaacaa ttagttatat tgcaaagctg taattctttt tctaacaaag catgatttta 180
taaaacttta atgttgccac tgattcaatt ttaatacaaa atactttatat acacaatata 240
atataaaagt aaactgtgta gtgccttcca caaagggata tattaaggcg ctttataaat 300
ataccaatat tttagaccaa attacttttt gcttttagatt aaaatgaaca ggctaaatgt 360
tccactttta ataccaaagg gatgggtttat taaaaatttt ttat 404

```

```

<210> 81
<211> 523
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA205724

```

```

<220>
<221> unsure
<222> (1)..(523)
<223> n = a or c or g or t

```

```

<400> 81
cccattgggt gacagcggtt attgaaagga aatcttgctt tatccaggaa ttcactcaca 60
tggaggtagc tgcaaggaga atgtctcttt ctcatgacaa ccaaagcgac caaaccatac 120
cctaaagcag agacgcaatg gaataagtca acgggcattg tagaacgaca ctcagaagca 180
ggaaaaacca taaaagatac aggatgattg tctcttcagt attgcatttg gccatgtatg 240
tgttttttaca taaaatatat gttttctttt taagctagct aaagaaaata ctcttgatcg 300
gggttagttc ttaaagcaaa aaacagaaga aaagtatgta tatataatan aattaaagaa 360
cgatagcatg ttatacctgg aaaggaccgt gggcactaat ctgcactttg ttccaggtaa 420
tccatggctc tgagagttag cacactgtca aagtcactgg ggtgagatga gccgggactt 480
ggaaaaccct ctcttaactt tcagtctcaa ctctctccac tcc 523

```

```

<210> 82
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA211443

```

```

<220>
<221> unsure
<222> (1)..(587)
<223> n = a or c or g or t

```

```

<400> 82
catttagtca aatattttatt tgaactcata caaagtttag tgacataatt taaaagggtga 60
agaactaaaa cgcattccaa atattgacca aaatactgta ggaagtagct tgggaaactt 120

```



```

ttcatcaaaa tcgttaggca cattgccata tcattctcca taaaatcata tccctcctca 180
aaaccacacc ctccaggtgt tgaatttatg ggctaatttg ttctgtgagg tgccaaaaat 240
gaagataaag taagaaatac agccaactag aaggaagaga tataaatgta caaacaggcc 300
atctctgcta gagtctcagg cattcaggag gttcacaatc atcatacaaa tatataaaat 360
tttagtgagc tattgaatcc atcttctgcc tctttatttc ttcacatcaa tccttttttc 420
ttcctactac tggtcagctt tggggacata ttttaggttc acttttaata ttctggattt 480
ccgatagatt gactgcaggn cggggagggt cctcgctccn ggaattggct tcttctcctc 540
atccgagggtg ggaggacacc ctctccact tcgggggaca ttctttt 587

```

```

<210> 83
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA214688

```

```

<400> 83
gtttgtttgg tgggggttaca cgggggttcaa catgcgtatc gaaaagtgtt atttctgttc 60
ggggcccatc tctcctggac acggcatgat gttcgtccgc aacgattgca aggtgttcag 120
attttgcaaa tctaaatgtc ataaaaactt taaagagaag cgcaatcctc gcaaagttag 180
gtggaccaca gcattccgga aagcagctgg taaagagctt acagtggata attcatttga 240
atttgaaaaa cgtagaaatg aacctatcaa ataccagcga gagctatgga ataaaaactat 300
tgatgcgatg aagagagttg aagaaatcaa acagaagcgc caagctaatt tataatgacc 360
agtttaggaa aataagagct ca 382

```

```

<210> 84
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA216589

```

```

<400> 84
cacaaattta agtttggttt atatatttta ttgacatggt tactcaatgt ccacatcatt 60
ccatctgcat cgtcttccta caaacagttt ttcttctact attcggttat ttctcctttt 120
tttgtttctt atttcagaat caaatttatt ttacttgcaa agtcagtgga atatggtttg 180
gaaccagtag ggcctctaac ttaagcccag aacctgtcaa agagaagtgc agtatcattg 240
ctaagacttg aacagtttat ctctcagaat ctccagttcc tttgaatttc tcagctctta 300
gtgtaatctg ttttatgtgt ttgttgtaga ctccatttta tgggatagat ttccaaaata 360
attttgggta atccaactgg gtatttttagc attcccg 398

```

```

<210> 85
<211> 378
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA219100

```

```

<220>
<221> unsure
<222> (1)..(378)
<223> n = a or c or g or t

```

```

<400> 85
tttttttttt atgcttgaac taatttattg atgagattct catttctgta gtataaaagg 60
aaaatatatt gcagttatct cgtatttgaa agactttgcc atagagaact ttatcagaaa 120
tggatgaact ttccattatt tcttataagc atattgggtt tggcctgctt gagtttaaaa 180
cttttttttg tagacntaga atgttaatat ttagataaag aaaatatatt acngaagaca 240

```

ttaccagaaa gtaaaataac ttgaacattt cngtatttagc ncnttatcag agaataacat 300  
 ttattttatt tggaaagttt tccnaaatat gagacnatch gcnattttctc agacnaagtg 360  
 aaaaatttaa taaaatag 378

<210> 86  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA219304

<220>  
 <221> unsure  
 <222> (1)..(444)  
 <223> n = a or c or g or t

<400> 86  
 gcttgggcaa aagtcttcag aacaaaggct gtgagcagggt gttgccctgg ttcttgccat 60  
 atcgctcccc aaaggtgctg taggagccat catagtgttt gtagttcaac tgtctctggt 120  
 aaccagtgtt gagatagcca atggcttgga cttgacctct ggagtaagct gctgtgtttc 180  
 atttagataa tccagtacat agatgttagg agcaaagagg accatattct gctctccaca 240  
 gccatagggc atctggagaa gattttgtgt gttttgcatg gcagagctac atatgtctcc 300  
 caaaactgag acagaagctc gggcagattc ttctaccaca tttgggtggca gtttcaggga 360  
 taattcttca gaaacctcan cacctgntgg acnaagtagg gagttgaatg ttgtttcctt 420  
 ctctagtctt tcagggtcaa ccaa 444

<210> 87  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA219552

<220>  
 <221> unsure  
 <222> (1)..(341)  
 <223> n = a or c or g or t

<400> 87  
 tttttcagtc atgattgggt taaaagttta attggagacn ttgccggtgg nnaacaaaat 60  
 ganggcatac aactgtcaca ggcagggcag taagtacaaa gtctagctgt aaaaaccgtt 120  
 tgaaaatata aactcgtttt tggaatacat gtgtcaaagg ctgcccattg taataccttt 180  
 ggtataaaac ggtaacgatt cccttgacaa acccatccat cacctgacgc acattcacat 240  
 ctcttggtta ctactctacc tagtctagtc tcaaccaccc ctgtcagtca cgactcactc 300  
 ctgttccttt gcagggtgcag aggagcctgg gaggtaggtc a 341

<210> 88  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA227926

<400> 88  
 atgtaaacta tcaaagtgtt atttaaattt ccatttaaaa tattttcaag taaaatatgt 60  
 acaaaaatgg ttataaaatg gttgaagcaa ctagaagcgt gacaggtata atacatataa 120  
 atacaaccaa aattcaattc aatgcaaagt tgaatgacat catattgcac caaaatttat 180  
 tccatacaaa agcacatgca tcaagagtgt ccataagatg aaaacaaaca cacttacttc 240

atagcatctt accacttact tacacaaata gcccataaac accatctggc attgtgattg 300  
cagtaccaga actctcccca gag 323

<210> 89  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA227936

<400> 89  
tttttttttt tttaaaaaca gaagcgcgac catttcttta tttaaattata caaaaggggtt 60  
ggggaggggg gcagctgtgg ggctcggcac accccgggcc ccacccggc ctggcgctgt 120  
ctgagaagag gggatctgag ggagatccag ggatcaggca ggatagggat ggggcaggac 180  
atgaggctgg gggatgcaga ggttagggtg gagaggctac cggagtaaga atgaggctgg 240  
taggggaggg agaaagagag caaagagaga gaggagcaat tgggggccag ctggagagct 300  
cagatggagc aggtcaggag gtggaacaat ggcagagtga ggggtggagg cgagtgctct 360  
ggagaggcgg aaatgagaag gctggggaga aagaagagg tggcagctct ggtgcagggc 420  
ccagagcagg gagccagggtg aagagtggct ggactttgct gccccacc 469

<210> 90  
<211> 462  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA232266

<400> 90  
atttttctac tttcttttaa tatcattttt taaagtgggt aagcagctag acatcattta 60  
gaagcagacg gggtaaaaata gacaagaaat agcaaagaca catccttcac atcgtacaga 120  
actgtattag tatccaccac caccatcaca ggggagggct agctgtcact ggggtcaggga 180  
gtactctcca ttattgtgca ggggaccaga cagcatttag gtgtgacgat gtcaaactga 240  
gtggacatag agagtgccgg gatcaaggct tacagttttg gctctagact tgcgtgaggg 300  
ttggttactc ttaatctctt ccaggctgtg ctggatccca tagccgaagt agatagcaaa 360  
gccaatcagc atccagaccc caaatcgggc ccagggtacca gctgtcatct gcatcataag 420  
gtaaatattc acagagatgc tcattagtgg gaggagaggc aa 462

<210> 91  
<211> 401  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA232508

<400> 91  
gagggtagat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttccatt 60  
tgtgcattca gggcctctgc aggtcacac agggagtctg aggggatagt gtttaagtga 120  
gcactcaggc ttctctgag gaaaagaaat gaccaaagtg cagactttta ttactgccat 180  
tcctgtctct aatgggagca ggagtcaaaa ggaaaaacaa attaaaaggg gctaattgaga 240  
aaggaggaga gatgagacag agagtgtgaa gggctatgag cgtggcatct cataaattct 300  
tattgagaat ggcacaggta ttaaaaaagt ttctgggtag tctacgagaa atgtcaatta 360  
ttatctctac tacaactact tacatatatc taatgggaaa a 401

<210> 92  
<211> 387  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA233347

<400> 92

```
gctgcaaaca tgcagagatt tcattttattt tgtttggcac atgggaacta cattttgttc 60
ctattatctg tgtgtttcac tttgctgtgc agattttcat ccaatttttt tcaggggagg 120
gcatatacat ttgtagggct gtatctatcc aattctgcct gtaacaaaca cccaaacatc 180
ctaaaatatac aattataaga cagacaagtg taatgtaaaa ctctggagaa catcaaagaa 240
aaatggccat gcatctgctc tttaatgttt tcctacgata tattaaaata aaaacaaagt 300
ttcagtctctc tcacaagaag taatttatat tctctgaatt ttttcagcca caacaactgg 360
attctctttt ctgatttttg ctgcagc                                     387
```

<210> 93

<211> 403

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234095

<400> 93

```
attaatgcaa acatattttt attaaagaat gaatgcattt atgctaaaga atagcttaca 60
tatgttgtaa agcaacaagc atatcttcaa gaagtgagtc ctcctcaata tgactccatg 120
cttattctac atgcctgaaa actgggcccc cacacagggg cacacgtaca cgcacacaaa 180
cgcagatacg gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240
gattagctctc catttaaggc ttcttaggtg ccgcagtgcc cctaataatta ccaggattga 300
aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcattctgc tcttgtcctc 360
caatgtgtgt attttaacaa ataccattta attctatgtt gac                                     403
```

<210> 94

<211> 103

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234634

<400> 94

```
cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagccccccc 60
ttcctgccgg ccgccgggac agcagactgc cggtaacgcg cgg                                     103
```

<210> 95

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA234996

<220>

<221> unsure

<222> (1) .. (291)

<223> n = a or c or g or t

<400> 95

```
ttttttgaag cttcacacct ttattgtgtc cgggggcgct cggggcctca ggggtgttcg 60
tagcccgtgg cgagaggggt cactgggcta ttgtggaaca gagtgtggtt gccgtcccc 120
caggggtagg gcttggtgct gatcggaggg tggttgtagg gacggaactc ggggcgcggg 180
cgggtggccag nantggagat aggtagttga aggtgcagag ggccacgctg ggcagcgcag 240
catcgaaggt cagcagacgc caggtacgag ctctgtctcc tccgtggcct t                                     291
```

```

<210> 96
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235310

<400> 96
tcaacaaata tttattgttc atcaaagacg agccagattt tatgggcatt tgtgatggag 60
gctggcctta gctttaggag aaggaactcc aagagcagta gtgatctctg agatcacctt 120
gttcaccctc ctcggggca                                     139

<210> 97
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA235618

<400> 97
acaatttaaat aatttattac attacagtgg catcacacca gcagtcaata aggccactct 60
agggaaaaaat ctttcagtat ttccatgaca cattctgttt acaataattc ataaactggg 120
aaaattcatt ctaagaaaac ttggcaaatg aaactttgga ctggaattgg catttctttc 180
tctgcttttc gttcccacca tttctttctt ttatactaca gtattcatat tttaaaatgt 240
tttaaattat ttcagaacat taagatagca gttacatttt ttaatagta tattatttta 300
aaatgactct ttaaaataaa gtttttagaga aactatatta tggatagggc tgatttacat 360
tttcaaattt tctaaaatca gc                                     382

<210> 98
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236241

<400> 98
tttttttttt ttttttttcg gcggtcaacg cgctttattc cgaggggctt cagatacaga 60
tgaccccgag cctgcatccg cccggaagcg tccccttact cccatggggc acctcgatac 120
cagctgccct gccctgactc acttctcagc acccatctta cggcagtcgg ccctg      175

<210> 99
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. AA236455

<400> 99
tttttacgaa accaggttta ttaaaatttc tctacaagtc agaaacggcc atctcactgt 60
tcacatatat acacgtatgt acaggaagaa cctagtgttt ctactgttcc cggcagaagg 120
ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tcgagcaacc 180
acgagagcgt tagtgcgaca gaggcctctg tcctccctct tctcaaagtc ccatgattct 240
gtcaaggtaa tattgccaat aatcattcac atttcacgtg gttttagaca cgcagggttat 300
tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360
atcgaacata ggtataaaaag gtaaaatata tgtacaaagt a                                     401

<210> 100

```

<211> 533  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA236476

<220>  
<221> unsure  
<222> (1)..(533)  
<223> n = a o r c o r g o r t

<400> 100  
tttttttttt ttttctcatc actgagtatt tattatatat aacaaataca tgggaaagaa 60  
aaaactatat tgtgtgatat aaatagttta ttacattac agaaaaaaca tcaagacaat 120  
gtatactatt tcaaatatat ccatacataa tcaaatatag ctgtagtaca tgttttcatt 180  
ggtgtagatt accacaaatg caaggcaaca tgtgtagatc tcttgtctta ttcttttctg 240  
tataatactg tattgtgtag tccaagctct cggtagtcca gccactgtga aacatgctcc 300  
ctttagatta acctcgtgga cgctcttggt gtattgtctg aactgtagtg ccctgtattt 360  
tgcttctgtc tgtgaattct gttgcttctg gggcatttcc ttgtgatgca gaggaccacc 420  
acacagatga cagcaatctg aattgttcca atcacagctg cgattaagac atactgaaat 480  
cgtacaggac cgggaacaac gtataganca ctgtagtcct ttttttcaca gtg 533

<210> 101  
<211> 308  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA236545

<400> 101  
tttttttttt taacgttttc aaaatctatt tttatttttc ttcagtatta cctgctgttc 60  
ccaagtggct gggtaatcta tgggttatat ttcatattac cctcaaagct aggctgccag 120  
tggaagctaa gaataacaca attaaattca agtttctcta gaaaatatga caaatcaa 180  
tttaagaaag tgtaacttgt ggttttgctt tggttcaaga tggctgatct gagaatatca 240  
aagcatttaa ttcaaactaa tagtgtgtcc tcatcctagg actagaaggt aatttttctt 300  
ttaaggag 308

<210> 102  
<211> 297  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA247204

<400> 102  
agatacagag ataaacgagt acatgattat gatatgaggg tggatgattt ccttcgtcgc 60  
acacaagctg ttgtcagtgg ccggagaagt agaccccggtg aaagagaccg ggaacgagag 120  
cgagaccgcc ctagagataa cagacgagac agagagcgag atagaggacg tgatagagaa 180  
agagaaagag agcgattatg tgatcgagac agagaccgag gggagagagg tcgatataga 240  
agataatggg cttttggaag cactgattgt ttaaagatac aaaaaatctt gtatttt 297

<210> 103  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA248555

<400> 103  
 attcgttgaa ggacaccagc tgcggaattt gcggctttgg cagattgaaa tcatggcagg 60  
 tccagaaagt aatgcgcaat accagttcac tgggtattaaa aaatatttca actcttatac 120  
 tctcacaggt agaatgaact gtgtactggc cacatatgga agcattgcat tgattgtctt 180  
 atatttcaag ttaaggtcca aaaaactcca gctgtgaaag cacataatgg attttaaact 240  
 gtctacgggt ctaacctcat ctgtaagtct catgcctgga gaagctaata ccacctaatc 300  
 akgtgataat tcaatttgta caataaatta tgacctggaa aa 342

<210> 104

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250850

<400> 104  
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 gtagtttcta atgcagacaa atgtgacaag gcagggagct gagctgacct caagccgaag 120  
 gtcccgaact ctctcgggag cctggaggag tcccggtagc gaatagatca gatgcctcat 180  
 cctcgttcac cccaaaaggc tgagaccctg gtgtgtcctc ctcgaggacc ctccctgttt 240  
 ctgggtgcta gaggccgttg ctgtttctgt gacagagggg tggctttggg agctccaaag 300  
 aacctaacca agttttttta agaaattcgg gggacgaagc aataaccgct tggccccctt 360  
 gaaagtctcg ttcaaacttt tttcaactgt aaaaaactgg ttaatctcaa attgtaaaaa 420  
 aattttttcc ccccttattt tgaaaaaatg cattttttt 458

<210> 105

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA250958

<400> 105  
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 tccctcccac tgtgctcctc aggcaataga tgattggcta tttctttacc tctgtttttt 180  
 gcctaattag catttttagtg agctctctga ttgggtgggt gtgagctaag ttgcaagccc 240  
 cgtgttttaa ggtggatgct gtcaccttcc cagctagggt tagggattct taatcggcct 300  
 aggaaatcca gctagtccct tctctcagtc ccctctctca acaggaaaac ccaagtgtct 360  
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<210> 106

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA251769

<400> 106  
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 tgtcccagta atgccaaact ggaggtgaag ggctgactgg gccagctgag aagtgggacc 180  
 ttctgttttg caggcttctt ctcccttgcc tggctatggg tttctgggtg gaagagtgtt 240  
 cctggccttg ctggagggtc ccatggcccc gaactaacag tgtttttctg aaatttcgac 300  
 ctgctccggt tgagagagta gaattccctc atcaagtcct ccacctccca ctgctcttcc 360  
 ttcagcctct gg 372

<210> 107  
<211> 389  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA252219

<400> 107  
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gaacaagact gacaatttct tgcccattaa gggttacatt ctaataagcg ataaagacaa 120  
caataatacc agggagctga gtaatctaata acaaagcaag acaaagccag ggtcactgga 180  
agcagcagtg gtctttctga ggaagttgca gctgatcacc aacctgaatg aagtgatgta 240  
atggaaaata gaagtgtttg aaggaagatt gcttttagtaa ctgaggagga gagaggaaa 300  
aggagaaact gcacaagtgg gtagagatgg gaaagtccat ggcctatggg gaaggtaggg 360  
aagttgactt ttatttttcaa tgtgccgtg 389

<210> 108  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA252528

<400> 108  
ttatacttat gattagtttt attataaagg atacaaatca gctccacaag ccaaggaaga 60  
cacagggaaa ggtctggaag ggtcttgagc acagtgtccc catgccccct cttcgtggaa 120  
ttagggcaca ctgccctgcc ggcatagcca cagcttcacc acccaggaag ctatgctgag 180  
ctttagtgtc cagagttttt attagggttt catgatgtac tgattaaagc actggccaga 240  
tgattaaact cagcctccag tcccccgccc catagggtcag g 281

<210> 109  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA252802

<400> 109  
gctagggtga actggtacag ttctgtgtgt actggtgaat cggactcatt tctgcactac 60  
tgaaggagag aaatggacgc ggctttcgaa ctgctgtatt ccttccagac ccgatagatg 120  
aggttccagg tgctgaaaat gaacaattac atacaggaat agaggcctac tctgcactta 180  
aaaatatctt caaaaaagtt gctggtcaag gagtatgcag caatggtcct tcctgttgtg 240  
aacattgagt cctagtgggt gaggtgtggg ttgttactat taaaaatcct tgttgtattg 300  
ggcacaagat agactgaaat tgactgtagt cctcacgggtg agtctaattg cagcaacatg 360  
tgaaaaaggc aggcaagagc tgagtcagga aaatagacaa gcagggtacc tt 412

<210> 110  
<211> 326  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA255480

<400> 110  
gcgcacaacc aacagcgctc ccgccccgtt tttatttgaa ttcggagAAC cagaggcgcc 60  
tgcagattct ggaggggtct cgctgcca tcgctggcag cccgagatcc tggggagggg 120  
atgccatact gctagagatg aggggaagaga gcccacagca ggaaaacatt gatttgcgtg 180



acactcaaaag ggcattctcat gccttcagtc caccgcctcc tcggggccaca gcccgtgccc 240  
tcgcgccggc tcagactagc tctggccctg ctgctgtcgc tgcaggttgt cgtcttcttc 300  
ctggtggtcc tcgggcaggg gcggct 326

<210> 111  
<211> 410  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256268

<400> 111  
cccagctttt caaaagttaa ttttaagttt ggagactaga caaggtcata ctggttttac 60  
atcctacgtg atataagtat atatacaaag aaaaaaacia cattggaata ttacacagct 120  
tgaaggtttg caaaggttat ttgtgtctta gttatttctg cacttaatga cacatcagac 180  
gcattgagta tttttcataa gttgttgact agcaaagata caatcattag taacccaagt 240  
cttcaaaatt cacaccaaac tttatgaagt cattcagaaa gagaaagtca atcctaaaat 300  
taaaattggc aactatgata aataccttca aaaggatgta gatgtaatgg agatgtttta 360  
aagtttagtt tcattaattg taaaattagc atgttatatt tactcaatat 410

<210> 112  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA256294

<400> 112  
acaactttta aaaatggttt atttttttct ttaacaaaat cgtacagctt tctcaatccc 60  
caaattaaaa aaacagaaaa caggaagaaa ggaagaagg caaaggccac acgcacaggc 120  
cggcccgctg cagcgccctg ctggacggca cttcagggca caaccacac gcgtcttttg 180  
acttgcagac attccgcgag gcttctggcc tctcgaaggc aaagcttttc agcgatttca 240  
ttaatatctc attacgctga gatgagatga aggcagatgc tacagaaata tgtcagttta 300  
agccacagaa acagaacagc ttaagaaggg ctggggcgccc aagctcgtca cgaca 355

<210> 113  
<211> 196  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA257093

<400> 113  
tggtgttttt tcaggccaga ccagaacatt tttattgggt tagtcactta ggcattgctaa 60  
ggtccccctg ggtagggag atttcagccg tgagtgtgca ggtgtgcatg cacattaggg 120  
ggatatctat tgggatgcag agagggtgaga gcagctcttc agaagcgctg gcaaaagaag 180  
aatgtgtatt gaaacc 196

<210> 114  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA258476

<400> 114  
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aagaactagg tttagaaggt gcagagacca gggcaacttc agggatccag gtagcaggaa 120
ggaatcggtg gcctctttgg tatggccact atgggtggtag acactgtcta cgttgtttgc 180
tgagtcttct ggcttttctc cactcttcct gctcttggac atcagactcc aggttcttca 240
gcctttggaa tctaggactt gcaccagtgg gttgggttgc aggg 284

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<210> 115

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA261907

<400> 115

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aaaagcaaat gcatatatgt accaagggat ggacatgacc tgggtacttac aaaggagctg 120
ctgtgtcata atggaaacag catattagga gaaaaatagt atttcgtgtg ctgtctgctt 180
gagtaaatcaa tctggagatg caagttaacc gaagtgcac tgccaagcca tcagcgtgag 240
aaaaaaaaac caccagaagt tgctccaga taacgatgta gtggcagcat gataactggc 300
atcaactcac ggtcttctca ttttccccat tttctataat tttcctcttc ttttcatcta 360
tttttttctt gaagatg 377

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<210> 116

<211> 181

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA278767

<400> 116

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gacactacta catattaggg agcatctatg caaataaaag gaaacatcaa attcattaaa 120
atgtttacct atgaggtagg ggtaagaggt tagatatggg agtaaggact ggagattaaa 180
a 181

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<210> 117

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279313

<400> 117

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tttttttttt tttctttttt tttttttttt tttactgaaa gaaaaaaaaa tattttttat 60
ttcagttaat cggaagactt tgtcagagcc ctaccataa ggagaagaga caacagctgc 120
ctttattctt gttggtttgc tttgaatccg ctccgtgtaa agtcagctaa ctctctcggt 180
cacgggcgtc cggtgtcca aaggctcctc tctgtttggc cttggaatgg aggatgaaac 240
aatgtctttg ggctctccct cccctcgggt tttgtacttt tctggggccg ttgcgggggtg 300
gcaacccggg gctgagtcct aaccgggtcc ttggggcaac cgtcgctctc cagtgaagct 360
tctctgggca acttctcctc tttggaaaag ctggtgctca agtcctgggg ccaggggggg 419

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<210> 118

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279757

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<400> 118
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tgcagtcact acaccactcc cgggcttgta acccatcaca gcctggactc ctttgggtcaa 120
agccctcaca ttctcttgat ggaaaaaagt tttgtcaacg atattttcaa tctgctttgc 180
ttttttatct ctgcctagct gcatttttat ttcatcactg ttcattttgt tctctaggag 240
tcgctgggtg tgatgctgaa aagttacagg atctcttcca ggaggaggat ggcagtagac 300
cagcttacca ctgacatagt ccttcaggat gtagecgcga gatcgaggct ggtctggctg 360
tccatgcgct gtcataaagc ctgcctgata tccataagct gtcaacagtt cttccgatgt 420
tggaggtcgg tggggatctt catcctctct aggcgttatg atgttaatgc cataggtagc 480
ttctaaaaaca tgtcttgga tttcttgga aac 513

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<210> 119

<211> 256

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA279760

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<400> 119
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gaaagataat tcaacagcaa tcaatttaca gaatttagaa cagcactaca ttccagcaaa 120
atgcaactag agaacatcag ataaattata gtaatttggt tttaaaaatc cattaaacta 180
tctcttacct ctgcaataat gtatcatata tgcagttaca gaagttagta gggaaaagca 240
tgatcttcct tcccta 256

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<210> 120

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA280929

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<400> 120
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ccacagtgtc cccattttgt ccttatatca gatttcccat ttgtgagtga ttctgaacaa 120
taagttgcag acatcttgac ccactactcc ttactattcc agtgtctatt tcctatatac 180
aaaggggaatc taccaggtaa tcatagtaca acaatcaaaa cctggatggt aatactgac 240
caatatgaat ataggatcct cagggtgccat tcaacatttt gcctcttctc ctttatatct 300
taaaattata tatgactact tacatttttc tagaagaaaa aatagaacaa taaatcacia 360
aatgcc 367

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<210> 121

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA281145

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<400> 121
aacagtgaga tccaccttta ttgaaacatc acacggcagc atcagggctc ccacacctca 60
cagggcagca ggcagttcac aggacagcag gcagttcaca gggctttggg ggcctcacag 120
ggcagcagg ggttcacagg gcttcggggg gcctcacagg gcttcggggg gcctcacagg 180
gctgcagggg gttcacagag cttcaggggc ctcacagagc ttcagggggc tcacaggact 240
gcaggggggc tcacaggggc ctgtatgcag ggctgctggt acaaagaaga ggcccagaga 300
accctaacac agcctggggc cccgggggag tcagggcttc cagcagggca ggtacagagg 360
cccctaggac ttggcaggag ctcagccttg gggacagtc cagcgaagac gctgcacccg 420
ggctctt 427

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<210> 122  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA281345

<400> 122  
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 ggaagaaccc ctccccagat tggcccagtt tcaccagcaa ctggtctcag ctcagcctta 180  
 tgcctttcca ctgacacccc ccacccctcc acattctcga tgattcagac caggaacttc 240  
 tcggctgatt gtgtccg 257

<210> 123  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA281591

<400> 123  
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 cggaagtga aacttacaaa aaaagtgtctg gtaacattta aaaaaaaaaac aacaaaaacc 120  
 ccaaaaaaac aaacatcatt cttagcaaca tcaattactc ttccacacaa aacagaaacc 180  
 ttgtaaaatt ttttttcgta tttttaaggc gtaatacttc cgtataaagt atatgcaaga 240  
 gataaaactt cacagtattc caaaatgtca caataataat aataatataa tagtataatg 300  
 aagcgctaca gttaattttt ctttttttga atgttttttt tcctgtttta ataacaaata 360  
 caagt 365

<210> 124  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA281599

<400> 124  
 gaaaaggcat acaaatttat taagggtacag ggctgaggac cacagaatat taccccaacc 60  
 cccagtggt tacagaagct tatatactct ttctcagagg caaaagagga gatgggtaat 120  
 gtagacaatt ctttgaggaa cagtaaataa ttattagaga gaaggaatgg accaaggaga 180  
 cagaaattaa cttgtaaatg attctctttg gaactctgaat gagatcaaga ggccagcttt 240  
 agcttggtgga aaagtccatc taggtatggt tgcattctcg tcttcttttc tgcagtagat 300  
 aatgaggtaa ccgaaggcaa ttgtgcttct tttgataaga agctttcttg gtcatatcag 360  
 gaaattcca 369

<210> 125  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA282247

<400> 125  
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 gagcagttat agaacagAAC ttcttatatt tctttattta caccacactc tgaaaaaaaa 120  
 aaccagttc tatttgatta actatgaata gcaaagtttt gtgacttggt actcacttaa 180

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atcacccatc tgaaattcat ttacaagggt tttacattaa taaaacagta gtgtggtaca 240
tgtattggac tcagatgaag tctaaagtac actggactct agagagtgga ttacatacca 300
acgaccaaga ttcaagtgtt tggggaaaaa aataccttag acagtctatg ttggcgtcaa 360
cactaaaata aaagg                                     375

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<210> 126

<211> 242

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284153

<400> 126

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ataaaacctc agcatttcaa aaaagcttat tccgctgcag gaaagaaggt ggacattttt 120
ggtaccataa taaatcacac actcacacat ccatattgct taggttgaag agaacggaat 180
gaacagagga aatttcttcc atgaattgcc ctcccttcgg taccgcgat gttttagtta 240
cc                                     242

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<210> 127

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284879

<400> 127

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attcccaaac atacaatgaa ccccaaataa aacaaaacca aattgcacta ttacaaagga 120
acaagtccat gaaagtagag aggagggcgc agttaagga cagcaacttc aaggagacgg 180
ttgttttttc gtttacatgt tgggacactc ccatttttct gggttccctg aataaacttc 240
acacatactt tgtccggtct gaacagggtc aggggtccac cggaaactcc aatattgagc 300
ctccggttgg gtttggccta aaatttttgc ggaagaacct ggggtgggcca tttcaaacca 360
agtggatccc tcctgaaaag aaaagttccc ttactaactg cttctgagcc ctcccttaag 420
tggacggc                                     428

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<210> 128

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA284920

<400> 128

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ataaagattt cctccaagcc acatgaggac tctggcacc acccacaag caagacctgt 60
at ttataagc cgagggtcag ggagctaact gcgggaccgc tcagccccgt gtacccatcc 120
ccgtccccac cccccctcc accgctgggc ccatcagtgt gtgttggggg gatgcttgca 180
gctgggggtg aggagacaac aaacctcggg aactggagcc agagctgcgg cctgactgac 240
gccttttgat gctcacggga aattttctgcc caggatctca gcccaggct gggtgtttct 300
acaaatctct ctcaaagtga ttatttttgt gacaaaaatg aaggagcttt gtaaattttt 360
ttaaatttat gaatcatatc aagtagttgt ttacatttct tgaaaaaata ggaactcggg 420
cagca                                     425

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<210> 129

<211> 405

<212> DNA

<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA287389

<400> 129
caaaataatt aaccttttta atttttttaa ggaaaaatac tctccatagg aaggcatttc 60
tattttttgt ccatcagtag ccaaattggaa cttgatataa acacttccag tatgccaact 120
ttggtttaat gcacaacttt gaaaataact cattaataca cacatcaaga tgctactaac 180
aaattcatta atatccaaga ttcattactg tatgtcaaag gtcattccagg attaacattt 240
tcattacaat gaactgtgaa attccaatga aaaatgtttg cctgaattaa attatttaatt 300
ctctcaaatt ggaagtctag cactcttgaa aatcaaattc acacacacac agacacacac 360
acacacactt acaaactgca cattaggaca tgagggcaat ttaat 405

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<210> 130
<211> 478
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA287832

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<220>
<221> unsure
<222> (1)..(478)
<223> n = a or c or g or t

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<400> 130
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taacttaagt acagaaaaga gttagtacac cacaagcatt ttctacaact ttattttgtg 180
gtgattgtga gacaaacaca gtccaaacaa tagacttctt gtctctcccc tccaacaac 240
tatctgactc catagctcat gcacccaat tacagcagg gtcgggctgg cataaaggct 300
tcttaccagg attccagttt atccttctca atccttttct catctctaac aaaaatgcc 360
cacatacatg tagttgtgag aggcaaagtc ttctttacac tcaccaccag ggnggcgtat 420
gggagcacia aagcctcaca aaactgctcc aggatcctgc ctcttccagg gccggaat 478

```

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<210> 131
<211> 216
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA291676

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<400> 131
ttacttacac ctttctatth tttatttttt acatcaaaca ggtaattgtga tgatgctgta 60
acaaggtttg agggaaagcat atctgacaca tgagcatgaa accaaatcac catgcttatg 120
gactacaaaa ggacctaagc cttttaaact agactgtctc aactgtgcat taattatgta 180
tttagatata ggatatgtgc ttgggaaaat gtataa 216

```

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<210> 132
<211> 431
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA292328

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<400> 132
atagagacag ggtcttacta tgttgcccag gctgggtattg acctcctggc ctcaaacgat 60
cctctgcct tggcctccca aagtgcctgg attacaagca taagccactg caccggccg 120
agaggggttt ggaatgaagg tagaggcagg gggatgaagg cgccagagct gaagaccagc 180

```

```

ccccagaagc cacaccctg cccttctagc agctacgggt cctctggctc cgggccttgt 240
aaacctcgat gagcagggtc ttgacgtact ggatctcgcg ctccacggac tctgcccgtt 300
ccttcagctc gcgattccgt gcctccagcc cctggaaactc gaccctccag ggcctcaccc 360
tctgcccgtc tccgctggcg gtacctcaga gccgccgact tgttctgggtc tctctacttt 420
tgcttgccgt c
431

```

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<210> 133
<211> 318
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. AA293187

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<400> 133
atggtacaaa aatagtttat tacaaaagaa atccaaccaa aatgcttaat aatttacatc 60
gtgatccgtg cccgttacgg ccacctctc ccctcctcag ttatctggta gagagtggag 120
gggagtggct gttccctggg tccaccagct ctgggagggg acatggaaat ggaagatgtg 180
ggtggcattc cggacaggga ctggtgcctg agaatgctgg ggtcagagtc ctgggagggg 240
gcgagatggg ggaacatctg tgctcagaag aggggggtgta tgggtaggtg catgtgcttc 300
tgtgcaaatc ctggtccc
318

```

```

<210> 134
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA293489

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```

<400> 134
tttttttccg tagtccaaag gctttattgt tctgctgaaa tgcttacaaa tactgaaaac 60
ccccagcctg ggcccaggca accaagggtc caatgctggg aaggagagca ggggaggtgg 120
gcttagtgtt aaggcgtgaa gggcgaggcc agacagctgg aggcctggtc ctccactctc 180
catttcctc acccttcgga ggctgaagga agggcgggcg caccacaggg cccttcccct 240
ctgctgcctc atctcctgct caggctttct ctctaggcgc attggaggaa tcctctttcc 300
ctgtcggaac ctcaacactg tacagaactc caaccataac ccttctagct tcctctccca 360
actgcatcgc tcctcctctg ttccatagat ccccggtt catcccttct ggctctaagc 420
aagg
424

```

```

<210> 135
<211> 340
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA298981

```

```

<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

```

```

<400> 135
attcggcacg agtttcaaag aaaatagatt aggtttgcgg ggggtctgagt ctatgttcaa 60
agactgtgaa cagcttgctg tcacttcttc acctcttcca ctcttctct cactgtgtta 120
ctgctttgca aagaccggg agctggcggg gaaccctggg agtagctagt ttgctttttn 180
cgtacacaga gaaggctatg taaacaaacc acagcaggat cgaagggttt ttagagaatg 240
tgtttcaaaa ccatgcctgg tattttcaac cataaaagaa gtttcagttg tccttaaatt 300
tgtataacgg tttaattctg tcttgttcat ttgagtattt
340

```

<210> 136  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA308998

<400> 136  
 aggcctctact tcagggtgctg ctataatgcc tcatctaate aggactaaat tgtgtaggaa 60  
 actgcagtgga gaagaatatg ctttctgctc aggctaagag ggctactgat ctgtccttag 120  
 aaattcagag taacatgagc aaaacctcag ctaaaaccca ttttaagtggc atggattgtg 180  
 catgatcttt gataagaatt cctcatgtac ttgtgcctag tttttcaagg tattggctgt 240  
 tctatagatg cagtgtattgt cccagctagc tctgttacca gccttttggg gtgtctttat 300  
 gttcatttgg agagtcaggg cgaaagacag gtgatgtagc acttctgttt ttaataatta 360  
 ttgcttaaaa tacctattaa tagttttggg tcatttaaag ggacttgagg aagctacca 420  
 ggattacaga agagtgtcca cctaacaaga tggctctggc gtttcctagt tttgtatctg 480  
 gttcaataga aatatgtgaa agtggtaatg tcatcatttg atgcagagtc cgggg 535

<210> 137  
 <211> 324  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA312946

<220>

<221> unsure

<222> (1)..(324)

<223> n = a or c or g or t

<400> 137  
 gaagttaaag gncactttat tnactgacag attgaaaact gtaactccag gnagtgcaaa 60  
 atgcaccaca acccaattac aaagaacagag tgttaacaca caatgtttta acaatgctac 120  
 actcattttt ggcaaaagtgc tgtattgttc agtctgtgta caaaactgac catctatgan 180  
 ccaatcagta taaaaaattt ctataaaanc aaaatttagn cagtggctca agaaaacaag 240  
 ctgccattta tgcatagnnt gatgtacagn aacctaacca aatgtccctt ttgaattttc 300  
 aagttactga aaaaaaatgt gtcg 324

<210> 138  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA316686

<400> 138  
 gggatgtgga gctggagttg gagactgaga ccagtggacc agagcggcct ccggagaagc 60  
 cacggaaaca tgacagcggg gcggcgggact tggagcgggt caccgactat gcagaggaga 120  
 aggagatcca gagttccaat ctggagacgg ccatgtctgt gattggagac agaaggtccc 180  
 gggagcagaa agccaaacag gagcgggaga aagaactggc aaaagtcact atcaagaagg 240  
 aagatctgga gctaataatg actgagatgg agatatctcg agcagcagca gaacgcagtt 300  
 tgcgggaaca catgggcaac gtggtagagg cgcttattgc cctaaccaac tgatgcgtgc 360  
 tttctcaa atacctactg gattaattta tggcaataaa attttttttt gtcttttttc 420  
 gttttatc 428

<210> 139  
 <211> 160  
 <212> DNA



<213> Homo sapiens

<220>

<223> Genbank Accession No. AA328993

<220>

<221> unsure

<222> (1)..(160)

<223> n = a or c or g or t

<400> 139

```
gcttttagagc agttatggga gttatagatt ataacatatt agtgatttgt gaaacttttt 60
tactaaaatg tgaccctcat tttnccttac atgaaagaac atagaatatt tcacaatgca 120
tcccacgtgg taagaataaa aaattgtttt agttatatgt 160
```

<210> 140

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA342337

<220>

<221> unsure

<222> (1)..(359)

<223> n = a or c or g or t

<400> 140

```
agagataacc agtttatttt ggggagcaaa gagaaagggt ccctaacccc agactgcctg 60
cgaagagggtg aaatggaatt gaatgggatt atgggcagcc aaggcttcct agtggagctg 120
ctacctganc tgagttttaa gaggggtagg aaagaaaaaa tgtagtgggt cataatggca 180
ttccagatac aggggacaca aacagctctg tgtttatgaa ctacaaccag ttgttgactt 240
ttgtttcaag tggctcccct tccccagtg tgtgtggacg atggactgaa gaggagaagg 300
ctgggagcaa gggaccagta agctgttgca gcagtgcagg tgagatatga ggcctcaac 359
```

<210> 141

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA347359

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 141

```
gtgttgcaaa gcctttaatt agaatgtttg tattttttac atcatgcata acttcacatt 60
tgtgattaat tagtaattat ttcaataact gtaagcncat ctgcctcaga tttaatcata 120
atacatgaat taaattaatc aaattaagga acagcaattt agaaagaaac acactttaag 180
aaatcaaaat tctcaattca ggcagtctgt ttctatcatt tggatttcta ctcctttaaa 240
aatttcatat tgcccaacaa aaagtggta tttttactgt ttttgagat gactgaacag 300
atgaagggca tcagatgcct tcatcagctg ggtattttgc ctaaga 346
```

<210> 142

<211> 196

<212> DNA

<213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA350265

<220>  
 <221> unsure  
 <222> (1)..(196)  
 <223> n = a or c or g or t

<400> 142  
 caatagcaga cttttaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60  
 gctncgttac aatgaagaaa tggtttcctt tcgatgcaaa gtataattgt aaaccacagt 120  
 gctcgcacag ttcacgnctg nttaaagnga aatcttagcc atacatcacc taaaagtaat 180  
 taaaaagtca acacag 196

<210> 143  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA358038

<220>  
 <221> unsure  
 <222> (1)..(286)  
 <223> n = a or c or g or t

<400> 143  
 cagggtatttt ctctttctcc tttttaatgt agagctgcag atacacttaa gttgccatag 60  
 taatggcaga aggaggggaag ggtgttttct ttgtaaaatc attggngtat acaggatggc 120  
 ttggcaggta acaacactat ttctacgata tctacttatt aatataattt tatgttaata 180  
 tcccattctc ctcaccataa tcaccataat gttcaaattt taattttgta ttcattttga 240  
 atgtttgcat gtgaaaaccc aactaatcta ttatttcaac attaaag 286

<210> 144  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA374109

<220>  
 <221> unsure  
 <222> (1)..(287)  
 <223> n = a or c or g or t

<400> 144  
 cgccgaccat ctctgcactg aagggccctc tgggtggccgg cacgggcatt gggaaacagc 60  
 ctctctcttt cccaaccttg cttcttaggg gcccccgtgt cccgtctgct ctcagcctcc 120  
 tctctctgca ggataaagtc atcccaagg ctcagctac tctaaattat gtctccttat 180  
 aagttattgc tgctccagga gattgtcctt catcgccag gggcctggnt cccacgtggc 240  
 tgcagatacc tcagacctgg tgctctaggg tgtgctgagc ccactct 287

<210> 145  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA380393

<220>

<221> unsure

<222> (1) .. (292)

<223> n = a or c or g or t

<400> 145

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catggagtca gggacatggt taattcattt gtgaatcccc tggtagctggc acatagaaag 60
cgtcccatat tatctgcaaa atgaatgant gaataaatga gcaagtaggt gaatgantga 120
ttctnaggtc tctccagct ttgatggcct atgaccgtgt gactcctgca tatgcatgan 180
cacacagaca cagacactac acacatgcac agacacacat acacacttgg ngcaaagagg 240
gatgaagcct gccacactgc aggtggctct agctgcctga cctcccttcc tt 292
```

<210> 146

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA382275

<220>

<221> unsure

<222> (1) .. (246)

<223> n = a or c or g or t

<400> 146

```
aaataataaa tgaaagattt tattcatctt ttagataaac aagcactcaa aggttaatga 60
gtgaaggaga taaccatctc ctccaaacaa agnggctctt aataacgcag aagcaaaaat 120
ctttccactt ttagatgaaa acaaaactaa aaataacttc aggccttcaga tatggaaata 180
aagcaccatt ttcaaagtgg tagacttggc ttacttaaaa taagtaaata gcccccgnc 240
atctgaaaaa gaaaa 255
```

<210> 147

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA386264

<220>

<221> unsure

<222> (1) .. (407)

<223> n = a or c or g or t

<400> 147

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ttattttaata actgtagaaa tccaaaagaa ttagcatcaa atcttgaagt cgtgagtnaa 60
gctgcggggt ggcttgactg ggctcagcca ctgagctgcc tcaaccggcc aaggaacggg 120
attatgatga ctatgcggac ttctatattg tcttcatctc attgtgtgta ttatgtattt 180
agtttcaata aagcatttgt accaatggct ctggagcttg gaggaagact aaaggaatgt 240
gtagtgattc tgaagtaaga ttagaccta cgcagcagag ctatggggga gaagattaac 300
aaagtccttt cttccaatat caggatagtc atgagttgca gtcccatcca aaaggtcatt 360
agggctnaaa ggcctctgt gtctctgaac tatgagattc ttgctcc 407
```

<210> 148

<211> 205

<212> DNA

<213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA386386

<220>  
 <221> unsure  
 <222> (1)..(205)  
 <223> n = a or c or g or t

<400> 148  
 ggnggtaaaa ttncaaacttt atttggccaa tgtgttcaat tcgattgtna aatagaaatg 60  
 cctganganc tgnagcgtc tgattcagct ccagcatcct tcttcaggcc aaagaactcg 120  
 aggatgcgct ggttgctcgt gtggctcgtg tcgatgaaga tgaacaggat cttgcccttg 180  
 aagctctcgg ctgctgtttt gaagt 205

<210> 149  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA397919

<400> 149  
 ttttctgttt aagaacagct ggtttattct tttgatttat tgtaggattt aaaagtttct 60  
 tttgtgagat ggcacatagg caggtttggt gtttcctaac actatgaata tcttaaattg 120  
 cttttgaaag ttttatccac aaagaaagaa aaataagggt ttcttcacag ttgaaaatag 180  
 tttttgaaaa aaggttaaga ggaaaaaaat ctaaatacca tccttgataa agaaatggaa 240  
 cttcaagtta aaaatacaaa tttaaatgaa gttttataaa atattaaaaa ctagctaaaa 300  
 gtacatgcat aggcatttaa tcaaggtaag aggaacagca gtggaactta aatatgatac 360  
 aatttatcaa caataaataa acatttcagt gcaaatagtg cagaaaaatt tctcaaagat 420  
 catagcaatc attctaatacg 440

<210> 150  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA398280

<400> 150  
 tttgcgtggg tcattctgat ggtggctgct gtcagcctcc aagtggctta tgggatagga 60  
 caacccccca ggcacttcac tgtaggacag ttagcaccaa gagctaagg tgtgagataa 120  
 tgcaaatctg gcctgtcacc tctgcagagt acaggttccc atactgtgag gcagcagcag 180  
 cagagggaac caccagagaa acagcatttc agaattgtct ttcttttggt gtatggatat 240  
 gtgtgtgttc tagtctttgg tgggcaatgg aatctgcagc tccatgacaa tcttgtttaag 300  
 tagcttatgt gggaagtgtt tcaggtcaca agggccaccc attctaaggc ttctcactta 360  
 attccccagg ctaagagaca ggtggggaaa ggaaaaacct agcaccttgc tatactgaat 420  
 tggaa 425

<210> 151  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA398903

<400> 151  
 tttaaattag tagagacagg gaatcttact atgtgaccca gactgggtctt caattcctgg 60  
 gctcaagcga tcctctcgcc tcagcctccc aagggtgggt tatatgcgtg acgcgctgtg 120

```

ccccggtcca aagaacattt ctttaagattg gtggtgcaag gatcacacct tgagaaacac 180
tgatttaggc cttccacag taaaaagaaa tgttgctgc cccatcctta cagcacacct 240
gatgacttac aagaggtgct gctgaattcc tcccaggga gcaaccttaa ttcttctcag 300
caagacaagg aggagcctt caggaaggac ccaggagctt ggtattagag gatgatccaa 360
gtctgatggc aaatttagag tg
382

```

```

<210> 152
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA398908

```

```

<400> 152
ttccagatt tataatttaa tggctgtgca gatcccagtc cctcatttct gtcgctcacg 60
tgcccactgg tctggggtca gggttttctg ttcaaaggca tggatgtgcg ggactcttct 120
gctaggcacg cgttcaccag cctgtgtctc tgaagcagcg gtttccctc gaacttggcc 180
gacaccacca ggactcggaa gctacaggag caacgggtga gggctcgtgtc ctccacctcc 240
acatgctccg cctccaggtc ccgctgcagc ttctcgcgga ggtattcggc gctgagttcc 300
atggcggcag tccagctgga acggcagccc agcagggaca caaccccagc tcgggcgcgcg 360
gcacgctacc ttgctgcctt acaggagcca ctccgctgg aaaactcact tccgccttac 420
taaggcgtac gtcaacgcag tacttccgc
449

```

```

<210> 153
<211> 333
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA399273

```

```

<400> 153
tttttttttt tttcagaact atctgatatt tatttcccaa tattttgata cttgttttac 60
aactggaata catggaatga aggggctgat atgggacccc aggtaagagt gaggtcagga 120
ctctctaagg gtctggggtt cccctagag ggactttggg catccagttt cagggaactga 180
gccgggttgg gtcggggggc agcatggcat cggacgtggt gccgtctgtg cctctcctgc 240
ctgcggtaca gccggcgag gtgtttccga acggcccaca gcaccaggta cacctcccac 300
agcaactcag ctcaggagt cttcaaaggt gac
333

```

```

<210> 154
<211> 467
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA401433

```

```

<400> 154
ttttataaac tttattacgg aaaatgccaa acatacaaaa atagagatga acatatataa 60
tgaaccatca ttttagccat caccagctt caacaattat caaggccaat ttcgtttcat 120
caatatttcc aatgcactta acatccagac ttattatttt gaagcaaatt ccaagaatca 180
tatcatatca gccacagatg ttgagaatg tagatgagga cccttctttc taacataatg 240
ataaaacat tattctaata ccaaataccc caccaatgtt caaattaccc cgattgtctc 300
ataaatgtat tcgttttaca gttcggtcaa atcacaattc aaataagatc caattaacaa 360
ttggttaata tgtctcttaa gtctctttaa atctataggt tcctctcca tctttcatcc 420
ttgcaagtta tttacagaag aaactaggtc atgtgtcctg tagtttc
467

```

```

<210> 155
<211> 378
<212> DNA

```

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA401965

<400> 155

```
gagagcacia ctccaaatca tcttttatta atataaaaag ggcatattta gcaaaagaca 60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggcctgtgcc 120
cctgctgggg gagagggagg ctcggggacaa agtgggagaa gtgctgggaa gggctgagcg 180
gtagggggcca caaaagttcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240
gggacctcgc tgctaactct tgttggtggg ggggtgcctt agtgctgcca cctggagggc 300
cactccttgg ttcctggagg ggaccaccca agggacacag gacaggaagc ccaggatggt 360
tagtgcaact cgggatga                                     378
```

<210> 156

<211> 641

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402000

<400> 156

```
tttttttttt gatacaacta gcaaatgttc attggtttac aacaaaccca aaatactcat 60
caaatatggg ctggttgatt tagaaaaata agattcctga gcgattccag ctgcatttgt 120
ttatacagaa cacatttact caggaccctg cagtgtcagc ttcgttcttt gggatgcag 180
ccttctatct ggatctctgc aggccagcca gaatatctgt tgttcttagc atcagagtgg 240
ttgatctttt ctctctgaat ttcggaaggg agttccaagc cttttgctgc aataaatacc 300
cagctagacc tgaatttcat gttcctgatt tctttacttc caagtgcctc tatggcattc 360
ttggcatcgt tattcagctc tgtgcttcgc tcgtcatagg tcaccatgaa gacgagggat 420
tttgaggcag cactctgaat aaactttgtc atcgggtccag agttatcgcc ttcatacata 480
tcaaaacatc gtgttgctgt cacattccca gttacatagt tgacaatggc aatggtttatt 540
cctctggcaa catttcccag ctgttctccc ataagtaggt tatcctcaaa gcagattttg 600
gcgtacttgc ttctgccacc tccgctgagt aacctgtagg c                                     641
```

<210> 157

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402224

<400> 157

```
tttgtttcta aaaagtttat tgtaaaattc aaagcttcaa cagcagcatc ctttagaaaa 60
cgaagcattg cccggatccg ttttgaaaaa gcagcgagc cggttaagtc cttcacgctc 120
ctgcaactgt accaagtcca gggcgccgct ccttcctgcc gagcgaggc tgctgagtca 180
cgcctgcccg gccagtctgt ccttcctggc cctgaggcca acgtcctagc ctaggccttc 240
ctgggagcag agccgctcca gacacttgca gagtccctag ctcggaccag                                     290
```

<210> 158

<211> 269

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA402903

<400> 158

```
cccagggcag tgggtgggtgc tttatttcca tgctgggtgc ctgggaagta tgtagacggg 60
gtacgtgcca agcatcctcg tgcaaccgga gagcccgggg aggggctctg cggccgtcgc 120
```

```

actcatttac cgggggacag gagaggtctt tctcgtgtag tggttgtgca gaccttatgc 180
atcacgggca tgagaagacg ttccccctgct gccacctgct cttgtccacg gtgagcttgc 240
tatagaggaa gaaggagccg tcggagtcc 269

```

```

<210> 159
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA402930

```

```

<400> 159
gatttgcattg ttggctcaac tctttttaag tccaaggagg cagtccacat taagtgtgca 60
ggcaaaaaag agatggaaaa aggagtcagt ttctccccctg cctccctct ctccctttat 120
caagctgagc accttgagtt gcatttgagg aaatgaaaac tataggtgac gcaaccccat 180
tgtgtcgaat tctttcttta catttttttg gttgctacaa ggaatcagta tttttttttt 240
ttaatcagat ggtgtgtgtg gtggctcaca tctgtaatcc cagcattttg ggaggccgag 300
gcaggaggat cacttgaggc cagaagtttg aggctgcagt gagttatgat catgccact 359

```

```

<210> 160
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA403159

```

```

<400> 160
tttttcattg tgcaatacac ttttattttc cttttacctt tgcagtcac ttcgagtaat 60
cgttgtgtaa acaatagaat ggaatgaaat tacattaaat tgtatgcaa tggctctaga 120
acaccttaac aattatgaca aggcaattat aaataacttt ttttccttag taatataat 180
ttgctttttg aagtacatta aagagctgcc atatctaggg ttagctagga aagagcaatg 240
gtaccatcct gggagcccac ctccctgaaa gattagactc caattttcaa aatcctaagg 300
tttactagtt ccataatata cagtcaagca gagggctact tgggttgaaa gtattgattc 360
ttgaacctta acagcgtttt accttttagt catt 394

```

```

<210> 161
<211> 376
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA404957

```

```

<400> 161
tttaatgaaa atagaagttt tctttctgtc ctccctttctc tcctccttcc ttctcctttc 60
cggatccttc cccaaataat tttctaataa ttcagttggt ttctgaatat tgcttttaag 120
ttttttgatt ttaaagatac aattagaaat aatgtatatg atgaaaaagc tgtttcccac 180
tccaattcag atctgtgatc tacactggga aaaatgacca ctccctcatga agttttgtta 240
ctgacctctc ttggacttta gctctccatc tctgctgagg ggatatgaag gtattttgcat 300
ttctcctggt aatgaaggga tcttagaaca gaaaataaat aaatgcagtt ttagcgacac 360
atagctggaa atattt 376

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<210> 162
<211> 207
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA405488

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<400> 162  
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 agcaatatac caaaaaaaaaa aaaaaaaaaa aaagacaaaa aacctcacia taatataaat 120  
 ttttacacta tgaagtacac attggaattt gaatgcagtg gccaggacag cagcttataa 180  
 accaccttat aggtaggtta gcaaccc 207

<210> 163  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA405559

<400> 163  
 ttttttttta aaatattctg atgggttttat taacaagtat ataatatata ttgcatactg 60  
 tatatagtat atgaggactg tacagtacaa atttatgttc acagtttgac atgacaaaaat 120  
 gtcattactg aattccatt ggactacaga gtgaaacag agaaggtaca ttaaacattc 180  
 acatcttttag taagaaagat taccaaaatg tttcagtatc tgcaagtata ctaacgcatg 240  
 ctaaaaacct ttaccattc agtcttatta gcttataaaa tatattacac tttattaaaa 300  
 atttctgcat agtttatata agtattaaag tactgtaaat gtaataat 348

<210> 164  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA405616

<400> 164  
 tttttgtggt ttttgtgagt tcaagtgggt tatttgagg caatcccagg aaacattagt 60  
 aggagagcag caggaagaca gagcaaggag gaaaggcaat cttttgtgta ttaataggca 120  
 gcttatcaca tgagcagcta gagctccatc caactgggga cctttggaag agagtgtaga 180  
 acacatctta ttcagagttg tctcacttgc ggggtgaagg ttgaagactg ctcttggac 240  
 aatgccttct ccatttcttc atacttttca cctgcctgtg attgggcca gctgtgtcc 300  
 cattgcccga gaaagctctc aggaagatgc tcaagtgctt gcagtaagaa gcaatcagc 359

<210> 165  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA406371

<400> 165  
 tttttctcag tcattacttt tcttcggtgg cactttgttt tcttgtaga gtgaaaagg 60  
 tactgtggag acgagacagc cccattgcaa tttatcaatg aaaatcta accgccata 120  
 agcagagaag tggaaatcaa tacttcatta ccaaattggt agtgaggatg aagagaaatg 180  
 gctgggggtga tttttttttt tttttttttt ggcagtcctc tcagagccag ggtgtcagga 240  
 ggagttcaat gatttcaatg tcagaagcag gatggtgcaa cgaagaaggg ttcagtgtga 300  
 ggggatccag gctggaaagt ggaaactaag gcattcgtcc tgcaga 346

<210> 166  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

<220>



<223> Genbank Accession No. AA410298

<400> 166

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gcaggctaga aaataatttt aatgcaaagt agaaagtatc aatccacctc atcactttcc 60
ttgctctctc tctgtcacct cctcttttct gtggctctga ggaggtggga gaagcaggca 120
gtatttccac agcagctgtc cat 143
```

<210> 167

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410311

<400> 167

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ttttttttta agtaacattt aatgaatata catttataaa agccatcatc ccttaacatg 60
gggaaagtgt acaaaaaataa tgtgaaagtgt taaaaatttt tctagaatac aggaaacata 120
tcagcagtaa agaagtttag tttaactttt tttttaaatg taaaatagtt tggatctgtt 180
aaaaggaata cagttcgccc aaagcactta ttttcatctg ttgtaaactc attctttcta 240
ccttaagtaa actggaggag tcagctgtgt taatatgggtc aaattaattt catagtgtt 298
```

<210> 168

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410355

<400> 168

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gcagcggatt ggggggtggcc aggggatgct gctgatgtgc agagacatcc ctttttccgg 60
cacatgaatt gggacgacct tctggcctgg cgtgtggacc ccctttcagg ccctgtctgc 120
agtcgagga ggacgtgagc cagtttgata cccgcttcac acggcagacg ccggtggaca 180
gtcctgatga cacagccctc agcgagagt ccaaccaggc cttcctgggc ttcacatacg 240
tggcgccgtc tgtcctggac agcatcacgg agggcttctc cttccagccc aagctgcgct 300
caccagggcg cctcaacagt agccccggg tccccgtcag cccctcaag ttctcccctt 360
ttgagggggt tcggcccagc cccagcctgc cggagcccac ggagctacct ctacctccac 420
tcctgccacc gccgcccggc tcgac 445
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<210> 169

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA410383

<400> 169

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aagtaaaatg tttgctcaac tttattgaat gtcattagat ttataggaat cattaaagaa 60
ttagatacca gagtcccccc ggcccagacc cccacaaaaa aagtcagtga aaaagatgtg 120
agtgaagaa gtttgtcaag gcaaagtgtg gaaaggatac atgtgtacat caccctttta 180
atgctttccc tgagtattct atgaagtctg gggatcttcg aatgctatta atcttagaca 240
gtaaatttta taaagaaatt ctttaaaagt aggacttaat tctcctccgt agtgagtttt 300
taagcagagg atatctacta catggattcc tttgcctctt gacaggctca agttccatct 360
gcctcccagg cagctttttg agtctttcat agaagcctgc ttttaatata tgcca 415
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<210> 170

<211> 406

<212> DNA

<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA411860

<400> 170  
tttttttttt ttttttagatt ctcacaacct cttgttccgc agttcattaa tccgactctg 60  
atgctaagggt gacagtgtat gtaagtagat ttttgttttc agtgaaggag acctgggaaa 120  
agatggattt ctctctgtat cttcaagagt tatcagatgg tacatgctcc tcaaagccct 180  
cactctctcg aactagagca cgttccagga tcacgcggcc ttccttataat cgctggctgt 240  
cttcagtggc aaactcatag atccatccca gtttgctatt gcagtttttg cagctcacat 300  
ctcgaacat gtggcgcca gtgagcatga cccgatcttg aacttcactg tactgcaggt 360  
taactacctt gttaaaaaga aatgctctgc cagtggggcc tgtgaa 406

<210> 171  
<211> 73  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA411952

<400> 171  
tttcatttaa ttgattttat tataactgga ttaggtctga gccctgggaa acagacatca 60  
ccttggtata cag 73

<210> 172  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA411981

<400> 172  
acactgttta ttgagtggca ggcacaggag aggtagctgg ctccggtgtg gaagcagagg 60  
tggcagggtca tgccagggtg ctgtgggcat ctggcagcca gggccatgcc cccatcctag 120  
ggggacggca caagctcact atgacaggag cagcaaggag ccggccagag gagggggtag 180  
ccacgacccc caggatcctg ggcaagaagc ggcagacaaa cttggcacag gggcctaggg 240  
tgagggggac tggggcctgg gtattctgtg ggggagggag ggggatcac 289

<210> 173  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA412049

<400> 173  
tttttaggaaa aaacggcaca gtgatttaat ggtaagtcac tataaacatg aagggaaaga 60  
ctgccatcca aggaagcgca gaaaaggaca cccctcaggt cctggatgga ggaggatgac 120  
ccccaatact ggatggagaa ggatgcccc agtcctagat ggagaaggat gccccctca 180  
gtcctggatg gagacgtcat gagtaactgt cggtaggaaa catcatgttc ttcatctgc 240  
ccttgctcct tgggctccaa caggaaaaac cagaaattct gtggatataa aacatggaaa 300  
cattcattct ttaaagaaaa aggctgcaga gacaagaaca gcgaaaggat ggtattgaat 360  
acatgcaaat ggataaaata tgaatgatta tgttctcatg ttcaac 406

<210> 174  
<211> 521  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412063

<400> 174

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ttttgcaaag ttaacatttt tattgaactg aaattggtgt agaacagggg caaccacagc 60
tgctgagctc tgtaacaact gaaaagcccc tgtgacattt tacctttgag agtcctaaca 120
cggtttgagt ggaacagctg agaaacagca tatatatatt ttaacacctc aaaatagttt 180
gaaatgagcc tcacagcctt gttcaatctt cagattacaa ataacattga tagcatctcc 240
tgtggccttc agttagtagt gccagttaat attgtttctg aaaactttcc tctcaaagtg 300
ctggctataa ttttttttcc atccagtaca cataagaaaa ggatttagta acacttgggc 360
aagtaataaa ctgtagaact ttaaaagtag taaaggcata taccaagcat acgtgactcc 420
acacattgtc agaaaggcag tggactggct aacgagtttc tgccaagttt cagaagcaaa 480
gaatgcacta atgaaaaggg taaggcatcc aagcagagtg t 521
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<210> 175

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412505

<400> 175

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actttacata aacgtgtagc catatgactg tataacaaga gccaagagc aaccattgtc 120
taacaggtag aaatgcagac agtttcatgt taagccttta gaatttcctt tcacggcagg 180
tttccaaaat aaactaactt ttctaacatt tattctcaca aaaatatatt tcaagttaga 240
ataaacaact cattggcttc agacatttaa ttgtatgtat ttaaccatac tcagataatt 300
gtcatattta gccaaatgga ggctttttct gtgacctatt tccaaattct cagattcttg 360
ttcatctact ccttcaagca gtttgga 387
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<210> 176

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA412722

<400> 176

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tttttttttt tttttttttt tttttttttt ttttttccgg cagcaggctt tttattctaa 60
cagcactggg gggcccagcc tacctgccag acagttccca ggagtgaggc tggctcttcc 120
tggcagataa gacacagttt tgttgggtga atgagcggct cctcccttgg tccaggaaga 180
gtcccccttg cattgggtga tgaaattctg tctttctgaa ggccgggcag tgcacagcgg 240
cccttctctt ctgggaatgc ccaggctcac acagtccact tcagacacct ggtctcctgg 300
tgggtcccca gacagcgcac agtgcagtac cgggcaccgc agctgacaca ggtgtagggg 360
gatgggaagc cacagacagc acagaagggg cgctggggc 399
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<210> 177

<211> 427

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA416685

<400> 177

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acaatggcac atataataat taacaacagc aaagatgctt ggtttcttgt ttcattgta 120
ggccagtaca tctgtggaca atgtcgagtc ctcaggaagt ccaggaggct gctacagagg 180
```

```

aatccaaga accatgtcac atctctcaac aagtcttggg aagtcctct gactctctga 240
aacagtttgt ctctgacctc ccaggaagtg tggagggccc cttccatcca gcctgtacag 300
agggatcaga gtccaggctc cttctatagg gttgaatatc agaggggaat agcaaatgac 360
cccgatgaga gagagagaga ccaaaggcta gattctttct gcaaggtgga ggacggctag 420
aaggcag 427

```

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<210> 178
<211> 527
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA416762

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<220>
<221> unsure
<222> (1)..(527)
<223> n = a or c or g or t

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<400> 178
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ggtctcccgg gctagggggg agagccatgg gtcctcccct ccctctgttc aaggtgcact 120
gcgtgctggg cttgaggtgt aagctgggga gggagggcag ccgggaaggg tcagtggctg 180
ggacctgcaa ccttttcacc cttcttgga gactcgctgg gcagggaggg agcctcctgg 240
acctggactg gggcttatcc caagggatga gagccgatag gtctacaggc tcggcccaag 300
ggcccttcca cctaggaag aggaagggtt gccggcgtct atctgctgga gggtggtcag 360
gcaaggctgt ggggctgggt ggccagccct tcaactcgtg acgtcccaga tctccgacag 420
cagaggcggc agcttcttgt cctggagccg caaggannga cctgctccga gtgcacagag 480
ctcagcgtgc gcaggctcac cagcttcatg agcatgcgcg ggaagag 527

```

```

<210> 179
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA419011

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<400> 179
tttttttttt tttttttcaa ggggatttta atgaaatatt attaaggaga tgagaagcag 60
ggagtctgtg ttgaaaattc aataaagggc ttgtttttcca tctcagcctg gataatctat 120
gttatctctg agtaaagggg gtaacaattc taacaacctg gcttccttag aagtttccat 180
tctcatatag tcaccgaagg cagcagcact caggcgcttg ctgccgtgcc tgcccttttg 240
tttctgggac ggctcgggtc ccgtagcgcc ggcacagctg agattgcaa gccggggaaga 300
gaccttgctc cagggtgtagc tgcgttttcc ccagatcacc tgtccttttc ccctccgaca 360
aggaagct 368

```

```

<210> 180
<211> 260
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA419546

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<400> 180
cacattaaat tattttattga acaaattgaa gataatgaca tatgttttta ttacaaagtc 60
ttccatcatc ttatatcatt gacacatatt atgagacctg catttgaaga gtgaatagaa 120
ataagaaaat gttttcccaa cccacaaaaa acagaaaaaa atatattaat tttataatta 180
tcttataaag ccaaaagttt tatgaattat acttttttta ttagttaaaa atgacagcat 240
aactaagggt aatttttatt
260

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<210> 181  
<211> 412  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA421562

<400> 181  
tttttttttt tggagaaaac agaacacccc caaaacattt attttttttt tagaaaatca 60  
tggctcacta tggtagtata caatattgtt ttcacacatg tacacttgaa accaaatttc 120  
taaaacttgt ttttcttaaa aaatagttgt tgtaacatta aaccataacc taatcagtgt 180  
gttcactatg cttccacact agccagtctt ctcacacttc ttctggtttc aagtctcaag 240  
gcctgacaga cagaagggct tggagatttt ttttctttac aattcagtct tcagcaactt 300  
gagagctttc ttcattgtgt caagcaacag agctgtatct gcaggttcgt aagcatagag 360  
acgatttgaa tatcttccag tgatatcggc tctaactgtc agagatgggt ca 412

<210> 182  
<211> 329  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA424530

<400> 182  
tttttttttt ttttttgctg atcaaattca tttaatcttt gttaaaagca tcacaaatga 60  
ttcatcgatt tttaaaaagg aaaaataaga aggaatgcat tgtctctttg ttatgtgcat 120  
ggcagctgat ggcctcggtc ccaggcgccc aggtctacct gaacatcaga tatgcagacc 180  
ctcgaattta caaccaggga cagccacggg cccacgcctg gatctccatg ggtgcacaga 240  
cggaacgta tcaggctgtc tcagatgcca cctccttccc aggtgcttgg gtccacatgc 300  
ccaacatggt cttaatagaa atattaaca 329

<210> 183  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA426372

<400> 183  
gcgccgcgcg gggatccgcg ccgctcaccc gccgcctcc agctccttgc ggttgagctt 60  
gaaggaaccg ttggcgccgg tgcccttcac ctgcagaagc gtgtcggtct gcaccagcgc 120  
cttgatcgag tacttgaggt aggtgcgccc attctgctgg tcgaaccacg gaaccttctt 180  
ggcctcggtg tagatcttgg ccagcgacga gccgttgccg tcgcccagcc tacggatggg 240  
ctccaccacc agctggctgt acttgcccgg ctggttcttc ttcttgetat tcttctctt 300  
cttag 305

<210> 184  
<211> 486  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA426374

<400> 184  
tttttttttt tggttttata cagaaccttt aattgcaaag aacttgaaag cagccacgct 60  
ggtgggtggc agtggagtgg agaaccaccc acacctccc ctccagtattc ttcaccttct 120

```

tcagcctcgg cttccacgga atccacgccc acctcttcat aatccttctc cagagctgcc 180
aggctcctcgc gggcctcaga gaactcccc tcttccatgc cttctccac gtaccagtgc 240
acaaaggccc gcttggcata catgagatcg aacttatggc ccaggcgagc ccaggcctcc 300
gcgatggccg tgggtgttgc cagcatgcac acagcccgcg gcaccttggc caggtctccc 360
ccagggacca ccgtgggggg cctggtagtt aatgcccacc ttaaattccag ttgggcacaa 420
tctacaaact ggatggtgcg ctggtcttga tgggtggcgat ggcgcgttga catctttcgg 480
gaccac 486

```

```

<210> 185
<211> 133
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA427622

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<400> 185
tttttttttt ttttttttaa taatcacgta agatgcgcat atacttctgg cattttcaaa 60
aagtgaatac tgtataaaaa taaatattcc ccatacaaac acacacacag gccaatccaa 120
ggttagaggc atc 133

```

```

<210> 186
<211> 448
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA427890

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<400> 186
ttttttaagg atttgaatct atgtatatat attttacatt tttcaacatt tgtgttttat 60
tccattaaca taaccattta cagttattcc agaaatttca gtcatacaca gtgctcttga 120
atccaaagag tgggtctagtg tgggtggcatt ttcacaaagt acagtcctag aaaatgtcaa 180
gttgaacaat aagatattga ggcacattgg tccactgtga ttctgaattc ttttagtatgg 240
tcagagggaag tagttaatat atttcatgtt gattccttgg ctactcttga tttttgcttt 300
gggtaacatc ctcatcctgg gaacattcat taccacttaa tagcaagata acattaaaaa 360
aaaatccttc attgccacat ttaatagcat gtttaaaaag gcagagggtg caatgagctg 420
agaacgcact actgcactcc agcctggg 448

```

```

<210> 187
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA428325

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<400> 187
tttttttttt tgcacggcct atttccttta atctttgcaa caaccctaa tataatagta 60
agcacagggt ttttgctgta taccggtag gccttattaa gaattagctc ttattttcat 120
caaaggtaga gaaaatgagt aactattgag gccccgcg 159

```

```

<210> 188
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA429539

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```

<400> 188

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atcttgtttt tctgatcgga gcatcactac tgacctgttg taggcagcta tcttacagac 60
gcatgaatgt aagagtagga aggggtgggt gtcagggatc acttgggatc tttgacactt 120
gaaaaattac acctggcagc tgcgtttaag ccttccccc tctgtgtactg cagagttgag 180
ctggcagggg aggggtctgag aggggtggggg ctggaacccc tccccgggag gagtgccatc 240
tgggtcttcc atctagaact gtttacatga agataagata ctcactgttc atgaatacac 300
ttgatgttca agtattaaga cctatgcaat attttttact tttctaataa acatgtttgt 360
taaaac 366

```

```

<210> 189
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA429636

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```

<400> 189
tttatttttg aaaaagttaa aattttattaa taatagttaa catcacatag ttaattaaac 60
tagttatgta ttgtacataa tgacaacatc ttcactagac tgagtgtctca aggtattgag 120
atgattcgct attcatcaca ccccgagat tgagatccac tgtatttaca caaagcaaag 180
ccatgtcagc aagggtactgt caacctgatt ctgagaacat aaacattcaa aattttattt 240
ccagtgttcc tttttgg 257

```

```

<210> 190
<211> 428
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA430074

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```

<400> 190
tttttaccat tagattgtaa atttaattta aaataaaatg tccctaaaat catctcagta 60
cttggcacac tgacttaaga tgtgggggtg gggagcatcc cttaacacat tctttgtttt 120
cctggtaaat actggtggaa caagacagct gagaatgtat gacatctgac catgaacata 180
tgacagctgt ttgtgccagt catgtccaaa cccatggctc tcaactccag atccaaaaac 240
tctccccatg ttttagacct cccacaccag catttaggat ttcttcctct ataactcttc 300
tgggtgctgg tcttggcagg gcatctactg gggatagggtg gtttgggggtc tcagtgggtg 360
gcaccggctt gttcttgctt cctctgcagc tctcttgcgc gcctcgctg ctgttcactc 420
atgcaatc 428

```

```

<210> 191
<211> 335
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA430388

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<400> 191
gatgttttat agtcctctgt ttcagtgcct tccccatgcc catggagctg tcccaaaacc 60
catccctcag tatttgttga tgccaaagac acgaacccca tggaactggg gcaacttcgg 120
cagcagtaca cttagcaatg aggctgtgtt gatgaggaag tgcgcacatc atacttggtg 180
tagaagctgg ccaggagata gagcacaata ggagagatgc tgaggaaactt gcgggaagag 240
gtaaactgga gcccatagtc catttgctcc cagtgtgtca gtagccgagc ctttccttgg 300
tcaggagtct caaagggtgt ccctttcacc gtatg 335

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<210> 192
<211> 259
<212> DNA
<213> Homo sapiens

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<220>

<223> Genbank Accession No. AA431470

<400> 192

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acagggcaga ggtggtcaga tcgttttgag ccaaaatccc tccctaaaa atggatctgt 120
ggagctccat gaggaacct cagagatgca caatgacagt ttagctaaaa tggcttaaaa 180
aatgtgaatt gattgtcagc tctctccata tctgctgaaa aaaggtttaa aatttttaaa 240
aagtttaaaa gtgttttct 259
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<210> 193

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432162

<400> 193

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cagaccactt tggatagcta tggctcgata cttctgggtg ccctcctcct aagacatcct 120
cttcttacat tccactgaac agaaaaccat cccttctact ggcatagaat tctgcccatt 180
gaggcatttg ctgcagcaag agcacagaaa gcactctgtg gatgcatgcc agctgaaatt 240
gttataggtc acccgctgca cttctgggtc gatggcattg tggcatcctt gacacaccac 300
agcgtgattc ttcacatagc agggcttgca caggggcttg tcattgacca tcacgtatat 360
ctccccagct agaattgctat cacagtcaaa gcagcagaag tgtttcaggt gccaatctctg 420
gttttctgcc tgggtatact cattgctgaa tatcagctcg tcacagccag cacatcgggg 480
tttctcgtc 489
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<210> 194

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA432292

<400> 194

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aaaatgaact caagagttgc tacatttaac tgtatcccca tttatctctg cacgatgtct 120
tatctcagtg tctcaattca cactaaaata ttgaatgaga aatacaccac gttggctgat 180
tgcttgacat gtctgattta gggagacttc tacaaccact cctctctttt ttctcccagt 240
aaatactttt gactttgaca cctaccatat tggaaatgac aggtgcccca gggcaagtgc 300
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ttgaatc 367
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<210> 195

<211> 323

<212> DNA

<213> Homo sapiens

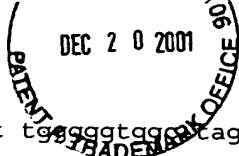
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<223> Genbank Accession No. AA434108

<400> 195

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tgtcattaca aaaaaataca aaaaaactac tataaaaaca ttctgggggtt gtcaaagtga 120
gaaaacctaa agacccacc ccaggatctg gctgaagcag tcttccccca gcttcttcac 180
tatgaccttt atacaactat gggggtgggg tgggatcaca caggcataaa agggctggaa 240
attccccaca cagcctccaa gggtaagaaa tgagtagctt cacatatcac aaaagtggga 300
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tttgggaagtt tggggtgggtag

323

<210> 196  
<211> 506  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA435720

<400> 196

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gcagggggaga acccaccaca cctcccccctc agtattcttc gccttcttca gcctcagctt 120
ccacggaatc cacgcccacc ttttcataat ctttctctag agctgccagg tcctcgcggg 180
cctcagagaa ctctccctct tccatgcctt cgcccacgta ccagtgcaca aaggcccgt 240
tggcatacat gagatcgaac ttatggtcca ggcgggccca ggctccgca atggccgtgg 300
tggtgctcag catgcacacg gcccgctgca ccttgccag gtctcccccg gggaccactg 360
tggggggctg gtagttaatg cccaccttaa atccagtcgg gcaccaatcc acaaactgga 420
tagtgcgctt ggtcttgatg gtggcgatgg cgcgttgacg tctttgggga ccacgtcgcc 480
ctgtacaaca tgcagcaggc catgta 506
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<210> 197  
<211> 265  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA435769

<400> 197

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tttcacaact aagcctttgg ccaaaaaagt catttagcac atctttaaag atcaataaga 180
aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca acccccatta 240
atctagaatc ccatagtgtc gaagg 265
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<210> 198  
<211> 437  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436616

<400> 198

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tttttttttt tttttttttt ttttttgtaa tttaaacttt atttcatatc tattgtttaa 60
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aatcatggga tttacataat ggcaaaaatg tatatgtata tttataacat cctctatata 180
caataatcag tatagacaga gaaaatgcac ttaatctttg caaatcatgc acaccacagc 240
aataacacaa atgttttttt ctgtaacaag cttttccact ggctcaggct tcatcctgct 300
ttccaacaat acctatcagt tttaaaagca aacattttca attaaaacta aagaaaattg 360
aaataccata gtgatctact aactatttta aaaacacaat tgtacacaaa atagttttac 420
tctaaaacac tgtgact 437
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<210> 199  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. AA436618

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<400> 199
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gcaacaaata cttttgcaaa tttgattgaa aaacatgaac taactacaac cagccattga 120
agaaatgcct ttctatggtg acaggctcta gaattatcag aagaaagaaa cccccacag 180
atttgtaaca gtgtgttgga acctcggaat ccagcatac agagtatact tttatggtga 240
tttttatttc tttttgctaa agttgaagta gatttttatg attgacattt tttttctga 300
gtttgaaaat aagctttttc ctgcagagag tcttggcctt cacctacaca cccaagctaa 360
aaatcctagg tgtaaaaaaa ctcaaaacat caatgcttat tttagcacgt caatctttga 420
aggaatgctt aaaatttcct tac 443

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<210> 200
<211> 219
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA436655

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<400> 200
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aacttggtta cacaacgaag ccctaattga ccggttttga aattagaagc tggacagtta 120
caggcttttg tctcttcaag aatccaattc acccctgggt ttcgcttggt acacaccca 180
ggagaacgtc gatgcacaca gctgtgtagc tgcaaacgg 219

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<210> 201
<211> 419
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA436861

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<400> 201
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ctgccaacaa aatactcaga atccagggtt tcatatttc tccatgggtc aatctctcac 180
aggtcacttt ccattcaaag gattatggag accaaataag acaggattct ttcagggtatc 240
aaccagaggt ctttaggtct tctctcagcc aaggcatcga gtgaaaatac aatttatttt 300
tcggattcct ctggaggatt aaaaagtttc tttcgcattg caatgccatg ctccctgtc 360
ttggtcctgt tttctacgta ctgtcgtcct agctactcag gaggctgagg tgggaagat 419

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<210> 202
<211> 292
<212> DNA
<213> Homo sapiens

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<220>
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<400> 202
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cagggtactga ataaattaaa cgctcaggct ctggccccac ccagctttc agagcccaca 180
agcagactgt acaaagtcaa taatttaaaa cccaaaccct gggcacagtg cctggaagtg 240
tcagggtcac ccactcccct taagtttagcc actatacatg ttcattcttct ga 292

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<210> 203
<211> 420
<212> DNA
<213> Homo sapiens

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<220>

<223> Genbank Accession No. AA443923

<400> 203

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gcatgcgtga aacaatcaga aacaatcatg agcgctgcc cacatggggc atacagtctg 120
gcagggcaag actgtagaca cagaaataaa tatccgatta taagctgtga ttagaggcat 180
gatggaaaag agcaaggctt cctgagagaa acagggcgag cacaggaaaa cctctctgag 240
acagtgacat gaacttgaaa cttgaagggt aaacaggagt gggcaccccc aaaggggaaa 300
gaaggaatct tccaggcaga gagaaagaga aaagacccag gcacggtata gaccagagga 360
aatttgaggc cccaccccc ccgccccccc ccccccccc cccctcccc caggaaggcg 420
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<210> 204

<211> 213

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446241

<400> 204

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attcacggac ctcagggcc cttggcaggg acaaacagat ggactgacta ggatgagggg 180
aacaggacgg acgtggatgc ctcactcaag gcc 213
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<210> 205

<211> 455

<212> DNA

<213> Homo sapiens

<220>

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<400> 205

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aatgtactac tataacaaga cacagttttt atatattact ggaataatgc aaagaaaatg 180
aattttcctt tgggtccagt aattgtcaaa ggaatgattg cagattcaga aaatgtgctt 240
tgtaataacc ctgttaacat aaagtataca ctgaggaaaa aaataagtat ggcacatata 300
tggaaggatt agttgtatta gcaaggcatt tcagggatgg ttttggttct ttagactaag 360
taagatacat ccaatttaga ccccttcaa atccttagac aaatgggaat cacttggtaa 420
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<210> 206

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA446661

<400> 206

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attcagaagt aatgaaaaac caatatgata aaaacaaaaa tcctccagta aagaaggaaac 180
ctgtccattt gagagaaata caattgagaa cttgcaaatg agacaaggga agatggcaat 240
ttggaactgc aatagaaata actatagcag aaacaacat ttaagaagtt ttagcagcaa 300
taagtattta ttattctgaa tgaaatgtac agttgacttt tatataaaaa tcatcaaaag 360
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tgctatattg gattatttta ctattaattt aaccccccaac agcatctatt agctataact 420  
 ttaatggggtt tttctttact tctgatacat c 451

<210> 207  
 <211> 209  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA447522

<400> 207  
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 ggaggccagc agcaggagga tggccagcca cagcccacca cagctctcac ccattgctccc 180  
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<210> 208  
 <211> 449  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447537

<400> 208  
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 gaggtcact gggcaggtgg ccaacatccc tttcaagggg atacaccata aagatgacat 180  
 tgtccaaggt ttggagggca gggtagcttg gtctgaccac ctcaaagccc atgtagctga 240  
 agggccgcag cagggcacct ctgtcgttcc gatcattctg gaagttcaca aacacagagt 300  
 ccacatttgt cttctcttcc acgtactcca gggttgcagt caaactttcc cggttgcctt 360  
 gatccaaggc ctgatatggg atatccagga agagtcgacg gtcacagaga aggccgtgca 420  
 atgggcagag gtctgggagg taaggcgga 449

<210> 209  
 <211> 342  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447707

<400> 209  
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 aaacgtaact tgaagggtcag cacaggagct gctgtgatat aaaaggagag agtcacctgg 120  
 cgccccctgc agtcctccag ttgcccagca gcagtgggac gctcagtggc acacagtggg 180  
 tctctgtatg gcctcccacc tgcaagggct tccccgggca ggcccagctg ccagaagccc 240  
 cggaacacac aggaagacaa cactatagga tggcaggtgg ggatctgtgc aatacaaaaca 300  
 tgtagctaga aaaccaacc gaggatctgt ctagaatact tc 342

<210> 210  
 <211> 409  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA447977

<400> 210  
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ctatactgat tatatattatc atgtgacttc taattagaaa atgtatccaa aagcaaaaaca 120
gcagatatatac aaaatttaaag agacagaaga tagacattaa cagataaaggc aacttatataca 180
ttgagaatcc aaatccaata catttaaaca tttgggaaat gaggggggaca aatggaagcc 240
agatcaaatt tgtgtaaaac tattcagtat gtttcccttg cttcatgtct gagaaggctc 300
tcccttcaat ggggatgaca aactccaaat gccacacaaa tgtaacaga atactagatt 360
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<210> 211

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA448625

<400> 211

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tgacatctga atatgacagt atattgaaaa aagaatgcat gttattttatt ccatactggg 120
gaagtgccac tataacattg ttttaaaaaa tcttcaaaaa tttcctatta gaacctatca 180
ttgaattaga aaagcaagct ttgccaaatg cctgattatg cctttactgg tctgctagc 240
tggcatgttt caccaacttt tccctagtgt ttcttttggc actgttgagc ccacactaca 300
aaacatgaac aagtcccaca aaaccacact atgccctctg cttccccatc atgtgggggac 360
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<210> 212

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449749

<400> 212

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attacaggta agctacaatg ggtttaattt gcaaaagtta agtaagaaat gttttaaaca 180
aggcttaaag tactcaagtc aattataaaa tttatatctt ttgcctttta cttgaagaaa 240
tcatgctata gaaatgggta atgtgcttct aataaatgga agtattgtag ctggaatgtg 300
atacatgtaa cagtttaagt tcccattgaa ggtataaaat gatgaattgt tgtaagactt 360
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<210> 213

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA449791

<400> 213

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<210> 214

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA450114

<400> 214  
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aacatgtgat taacaggaag gagatgattg gtgagttttc ttcgtaacca ggttcactgt 180  
ggataggaag ggcctgcctt ccttcccacc atggagatcc taaaatcaca agctccagcc 240  
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gcagagcatg gctattttctt ctgcagttgc gaatcttccc gtcttttgtc tcttcaggaa 360  
atcattccgt gcctcttcag gatttc 386

<210> 215  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA450127

<400> 215  
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aatatttatt gtattttttg tttgtggcag caactcaaca gattctgctg ctgggaaggg 180  
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cagtagctgg ccacctccac caagccgtgg ctcttccagg cgtccgtgtg aggggttcgtg 300  
accaggagac aatgcaggtc tcgggcctcg gtggtgccct gggctctcggc cggctctccc 360  
aggagctgcg ccaggcgctg catgcccgcg acccgcacga tgttgatgtc gttgtcacag 420  
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<210> 216  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA450324

<400> 216  
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caaaatgccc tcatttctat tttttccctt tcagttaata atttagttta aaagtgcaca 180  
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<210> 217  
<211> 147  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA451836

<400> 217  
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aaaacctcat gacaaatgaa aattaaa 147

<210> 218  
<211> 386  
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<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453433

<400> 218

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cctgtgcaga ccctgccacg acagcccagc cgtccaccac ccgcctcatc tctgccaatt 180
gtgctggggg cagggagagg cagaggcccg cctcaggctt cccaagccct ggggctcacg 240
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gcagaggagg gagacagcag ctgcttcaga ccctgagcag aaaaccagag tgagcacagc 360
tggcagcacc agatgacaga tctggg                                     386
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<210> 219

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA453435

<400> 219

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acaagatggg tggcagggga cacttactag tataaaaaata atacaaatat tgtattttcc 180
tcttatctgc cagtaaaaaat ggcaaacagt tttgtctttc tgaagtttct agtcaataac 240
caaagatgag gagcccctaa taaagtgcct tgccctgtat gctccactgt ctatagcttt 300
agaccctcaa cattcttctt caagttcagc agctcttttt cttgcc                                     346
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<210> 220

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA454908

<400> 220

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cctacagaca accaagcact aatcccctta gtaccaagaa aggggagcca ggatttagtc 120
ctggcccagc ccagagctgg gacctggagc acgatctgtt gacttccctg ggtaggacac 180
tgccacctct gggctcaggt cctcatgcct ccaaatggca tctagagttt gagcagcctt 240
cttggctgag gcaggcctag cctgtggagc gggctagggc caggagcatt tgggtgcccct 300
ccatgttgca atgcaaacac cttcaccact ggggcagtgg ggagagatgg ctatattaat 360
aaaataacgt gtgtctttc                                     379
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<210> 221

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA455001

<400> 221

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agaagccagg cagctaaagg acaaggaatg ctgggggctg tgggaacagg aatgcagata 240
ccctttgaag gagcattcct gctaaaagaa gctgaaaatg tagacctatg tgaagtgctc 300
tgatttctaa atattgtgaa ggttaagaaa gacataaatt taggtctatg ggctagattt 360
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 <213> Homo sapiens

<220>  
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 aattcagtgat atgtcattat tactgctaag gaaatcttag cccttgtctg ccttaaagga 180  
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<210> 223  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA455381

<400> 223  
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 cactccacag aggaaattaa tccttcgttg acgccaacca tgcccacttc cagctgctct 180  
 gccactctcc agatctgggc tgggtcttga gagtaaaaaat aacctgctaa cccaacatca 240  
 gctgcgttac ggattgctat agcctctcct ctgtatcgaa cttgataact ggtgccagag 300  
 cgcgaaagtc tcttcatgag tgcacagcat gtccctgggtg acattgcaca gcagggtagg 360  
 ctcaaagaaa ttttttccaa gttgggtgctg ttttccacct gtcacaacgg tggcaccttt 420  
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<210> 224  
 <211> 433  
 <212> DNA  
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<220>  
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<400> 224  
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 ttgattgggtg cacacattta tcctgcata atattatgta tatgcacaga gagacctcac 180  
 tattatgcca ttgttagggg tctttttttg gaagtacctc attacaaggc aatgtcaaag 240  
 gttccagtaa ctactcaact ttgaatgaag ttcaaaatgt ccccatgcta agctgagttc 300  
 gtgccatagc aaaccatgat atagcaagtc tccagaatgt gtacaaatca atactctgtt 360  
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 caaatttata agt 433

<210> 225  
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 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA457235

<400> 225



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tgacagagga gtaagttagg gaaataaatg actcagttct tcatacatgc aaaggtaagt 180
tagttattac aaaagttttt gctgttggtt gtgctgaaag aaaagcatat gcattttaa 240
atgtttttaa aaataaatca ctcaataggc ttaagaaaaa tacttttagt catagtccat 300
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<210> 226

<211> 354

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA457566

<400> 226

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gtaattatga agacaccttt acggtgagcg ttattaaaac cctactagag gttttgggtg 180
ggactcaaga gcaaggggtg gccacctgtg gacgaggggt ccctgttggt aacagaacac 240
gttgcccacc tcgcaagtat gcagcccaat cagtccccag ggtctcgggt cccgttgcg 300
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<210> 227

<211> 402

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. AA460651

<400> 227

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tgaaggccta aaaagatctt tgttactcat ctagaattat ttggtataac agtattttcc 180
catggaggaa gacttggatt tcaggcatta aacaacgcag aaaaaaatct caaggcatca 240
cagggagagg gagataactt ttgactctgg tttcccggtt ttcaggccag gaagagcaag 300
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<210> 228

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA460914

<400> 228

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tactgaaatt gtaaagtgc ctttttaatt ttgatattt acttctctta ttggcacaag 180
actaataaga tagatgggtt gtattactct taaaatctaa gacttctcct ctagctcagg 240
gaaaatactg gtggaaacct gttttaccca aaagcagctt taatatctgt ttaaccagg 300
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ctataaaaca catattttaa ggtc 384

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<210> 229

<211> 391

<212> DNA

<213> Homo sapiens

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 catttcttgg aacaaactga agagtactta aaagatccca ttgaatgcat gtggcattat 180  
 tcctagttaa cggatactgt ttgaactaaa tgaatcttgg gagagggcag ttagtaatta 240  
 atgcatttag aaactgatag cgctaaaata ttaaaactta tgcattccaa tgtttacatg 300  
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 cttcttactg tttcctctga ggatcttatt t 391

<210> 230  
 <211> 298  
 <212> DNA  
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<220>  
 <223> Genbank Accession No. AA461453

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 aatatttgca ttttctcagc ggcacgtccg ggacctgggt ggctccgaca cgccaggccc 120  
 gggaaggacc cggcaccctc ccctgaactt cctggctact catttccagc gaagttaa 180  
 ctatttttaa taatcgttca gttttcaagg aaatggagga gctgtttttt cccacggagc 240  
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<210> 231  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA463311

<400> 231  
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 acaacaggta cctgtacgtg aacagcccg cctggcccaa cgggtgcggtg gtggccgacc 180  
 ccatgcagcc gccaccaatc gcggaggaga ttgacctgct ggtgttcgac ctcaagacca 240  
 tgcgggagggt gaggcgggct ctgcgtgcgc accgcgtac acgcccacg acgagtgcct 300  
 cttcatcttc ctggacgtca gcagggactt cgtggccagc ggggcggagg accggcacgg 360  
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<210> 232  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA463693

<400> 232  
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 cagccgcccc gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc 180  
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<210> 233  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA463726

<400> 233  
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 ctgcttcttt agtcttagca tgcttaggat taggtggagt cttctctttt acatcagagc 180  
 catctccacg ctcaactcga gtcttttcca gatccatttc ctggcaatca ccttctactt 240  
 tacgttcttc gatcggagggt gttccttctc tctcttgcc aggttcaata tcttgattgt 300  
 cagttggtgg ttcctcttgc tgagattcac cgggagccac gaatgc 346

<210> 234  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA464728

<400> 234  
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 acactttccc aaagggtggt gttccttta agatattgca caatagaaaa taaactcttg 120  
 tcaatcctta aaattagtct tcaatgctat gtatttttagc tatgtaactt gtactgtgtc 180  
 aacagtgaac cttattagat tcacggtgtc atcgaactta tagcaagata aaaatcaatc 240  
 agtaggaatg tcattttaaa aagtaaaata gtgggacggg tgtggtggct catgcctgta 300  
 atcccagcac tttgg 315

<210> 235  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA465093

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 ccagaagaaa tctaaaaata gttcctgat attttatttt aaaatatttc atttaagctg 120  
 cttttggttg catgccctga tctgtagaag ttaacaagga aataaaattt ccaagtattt 180  
 aaaaaattta ctcatcttcc ataaagcgac ttttaatgta tcaacactta aaaatacaca 240  
 gtgacttaat gaagtatcag cacaactgca tagaattgag ctccagagaa ttatacactc 300  
 ga 302

<210> 236  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA465394

<400> 236  
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 tcagaatact ggtcttgtag tataaatcag aatactgggc agggagagaa tctgggtcag 180  
 agcacaggag ggcttctagg atcctgatct gaatagtggt tatatggctg tgttcaatgt 240

aaaaattcat tacgttgtac ccttaaggat tttgcatttt gtgtgtatta cacatc 296

<210> 237

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA465491

<400> 237

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ggaagctggg ccctgctccc ttgcagggga ctctgcccag ctggaagggg cagcagctcg 180
gcaggccctg accggcaagc gggcatgcag gcagcccagc agcagctgag cttccagaat 240
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ggcggccagc ggcaagtggg tggcccgaag gcaactgttc ccgccggtgc cactctgcag 420
gctgtagtgg tcgtccgcgt cactgctgct gccaacactg tccagctcac cagggccaaa 480
ctccatgccc tctatgtcca cttcttgctc tgagtcgctc 519
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<210> 238

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA476944

<400> 238

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ccagagagaa ggtgagcctg acagactaaa acgttgagca cggatgatac agcagaaata 120
acatttccag tgtaatgaga gataaagagg aatactgccc accgaggaaa tgacttttct 180
caccatgctg accacactgc acagcgcccg atcgggctgg tgaggatggg gaggtgggaa 240
gaatctcaaa gcactggaca ggggtgaggac tcaggaagtc acggggtcag cccta 295
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<210> 239

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA477767

<400> 239

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tggggaggca ggggaggggg tggtgtggt ccagggaccc caggccctga ttctgtgccc 120
tggcgctctgt cctggccccg cctgtcagaa gatgaacatg tatagtggct aacttaaggg 180
gagtgggtga ccctgacact tccaggcact gtgccaggg tttgggtttt aaattattga 240
ctttgtacag tctgcttgtg ggtctgaaa gctggggtgg ggccagagcc tgagcgttta 300
atatttcag tacctgtgtt tgtgtgaatg cgggtgtgtc aggcacgca gatgtgggg 360
tctttcagtt caaaagtgag atgtctggag atcatatttt ttatacagg tatttcaatt 420
aaaatgtttt tgtacat 437
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<210> 240

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA478778

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cacttattca tatactgaat ataacttttc ctggagcact ctagagcttg tttggagttg 120
gagaatactg ccaggctttt cctaactctt ttggtctttg gaagtgggca gggtttctca 180
aaccaagtgt cttccatggg ccattggaaa ggcttccctt catcagcttg gaggggcaga 240
aagaccatgg cttcagcact tccatttttg aaagaagtaa caaaaaagtg aattaatgag 300
caatcggaaa gactcaaagc attttgtact ccacagttca tttcttcaca caaacgtcca 360
ttactgcagc gggcatgaaa accggcagga tgtaggctc atggcctgaa gagaagtcac 420
atcaccagcc gatgttttca tgcaaaaggc a 451

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<210> 241
<211> 378
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA478962

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<400> 241
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actttgataa ttttaaccat acataaaata tggagtaatg gaagctatgt tacatggata 180
ttttacaaag gaaaaaaaga tgacttttat aataacacat ccagatgaaa tttatcatta 240
aattttggat ttcatatgat gttaagtatg gatatttca aaacaattac ttttataga 300
accaatttga tttttgttca tttaaaataa tgaatactat gtaaatgagt acttataaaa 360
atatttttag gcaaaaag 378

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<210> 242
<211> 372
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA479044

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<400> 242
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gcatatgtga tagtggccag cttggggata gaactcttcc tggttgatgc acagttcagc 120
acctgttggg tcttggctgt tgggatgata attcttttgg gtgaggggaa cagccgtggc 180
caaggctgcc tgcaccccca tccaggcaca ggaccctggg caaagtctca aaagaggtag 240
tgtttttact ttcgcaccaa caatacaaca taagtattgg gtacaaaaga ggagatttcc 300
ttccctctta cctcaacggg caaaaggcct tccatcttca gaagaggctt gtgaggacca 360
tcggttgatg ac 372

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<210> 243
<211> 501
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA479286

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<400> 243
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aatatgtttt tgttgttggt gttatagttt tttgcattcc ttctacacca gagaatgaag 180
accagattc ttagaaataa agccaaactg gcattcatct ggtttctcac agcatcagtt 240
tgataaaaag aatttctact tttttttttt gtcccatgt attttgctt ttccaatact 300
tccaattatt tgttggtctc actaactctt caagcctggg gtggctgtag gaacagtaag 360
cacagtggcg gtgttgataa ctgacgtgat gtgggctaaa cagacatgtt aagtcaaaac 420

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tattctctgg aggaccatgg aatgggcac cctctagact atgggagggg gaagtggaaa 480  
 actttaatga atatatagac c 501

<210> 244  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA481407

<400> 244  
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 ttaatatctc tgctcttgtc ttcaacagac atactcagca tttatacttg taaatagaat 180  
 tgagtttcca ttgtttcggt tcctgttttt gtttccttag gaacaagagg atgaaggaaa 240  
 tatgggtcagc attttaataa caccataaat ccaagataat aagtaattct ataaagtttt 300  
 ccagtttcat taattcagaa tttcatcata taacttgaaa tccaattggc ttcctctttc 360  
 ttagaaacaa aaaccaaaga aacctttttc tgaaagacat tat 403

<210> 245  
 <211> 612  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA485965

<400> 245  
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 aggcacatag gctgattaat cagtggacaa cagaagcaaa ctgctgctgg gttacatgtc 180  
 tacgtgatcc attccacagt ttttaggaatt ttttttcttt catagcatct tccctctttc 240  
 aaattccttg tagatcgtgg ttcccagctg tgcaggagac atactgacca caactcctgc 300  
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 ggcagtaccc attcttctcc caggaggagc agttaaacca gcaatgaagg acaactacagg 420  
 cttggaattt ggacctgaat tatgttgctt caaaaattct gcagcattct cttctgcatt 480  
 accaccaatt tcaccaatca atatgatggc ctctgtggca gaatcggtca aaaagatttc 540  
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 ctgccccaat cc 612

<210> 246  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA486072

<400> 246  
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 tagaggatac tgacttcctt cctggtcaca gagccctggc aaagcaaggc aaagccagag 180  
 ctcagaacct agagacttcc ttttgacaaa gcagcgcctc agaagctctt 230

<210> 247  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA488072

<400> 247

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ttttatTTTT tttttttttt agagtttTgat tgccttttatt atgaatataa aatgtacata 60
caatacaata tacatttata cattttacagt ttgcattttcc tttcatcttt tttgagcaaa 120
ttcaattctg catgtcccag tttgccgctc cttccactga tttgcactta cactcatgac 180
gttctcttca cttgggtact ctgtgtac 208
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<210> 248

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA488432

<400> 248

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gccgaatccg tattttctaag agtaaagggt tttaattgac tctccacact taaagcactt 120
tgtatgaaat atagctacaa atatacataa agaattcaga tcacaaaact ctctaggaca 180
ttggctggggc gcggtggccc aagcctggta atcccagcac tttgggaggc tgaggcaggc 240
ggatcacaag gtcaggagat caagaccatc ctggctaaca cgggtcaaacc ccgtctctac 300
taaaaataca aaaaatttagc cggatgtggt ggcgggcgct agtagtcca gctactcggg 360
aggctgaggc aggagaatgg cgtgaacctg ggaggcagag cttgcagtga gccgagaccg 420
cgccactgca ctccagcctg ggcaacagag caagattctg tctcaaaaa 469
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<210> 249

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490341

<400> 249

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actagtccat gataaaaata aaatgactca agagaaagat cgcaagggcc gacttctccc 120
caacgtgcgt gcacgctgag tgaggctctg gcatgggaaa gttccgggcg acggtgggac 180
aagaccgagt ctcaatggcc tggatcggtg ttggggggga gaaggccact c 231
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<210> 250

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA490667

<400> 250

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ttttacaaag gacaaactcc atgggtttcc gttagtgttt taagaacttt tctttaaaaa 120
aaaaaaaaaa ccaacaacaa caaaaaacac cgcctttttg aaagagaaat gacagacaca 180
aaagactgta aagaaaatgg ggcaattttc tgatagcatt tccccaaggc cagaggcaaa 240
accagatca gacctggggg cccaatagtg atgtggcttc catagtacgt tgttcaccaa 300
atctaaggtc acctggtctg gccaggccaa tgctgttggc ctttggggaa gcaggtcacc 360
ctgcaggctc tgcagccctc cacacggaca cagagagagt tggagatctc tcccctacga 420
ccctccagct ccattccagt ctagccctt tctccttcca ccccatggtc ttgcttaaat 480
ctgtttcctt cctgggggtc ttgtt 505
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<210> 251

<211> 407

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA495865

<400> 251  
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agctaattgc ccataaattg tagcatttat tgacctgaag tactaagcta attgtcttga 120  
ctactcaaag cccctgaatt gttgtcaact ttcccccttg tgttgtgtag ccctaacgct 180  
atthagcttg ttgtctgatg cctccagtag gacacctccg atggagcttt gatttctgag 240  
cagcgaaact ccttccctaa gatgcatttc gcataggctg cctatgatga aggaccgtgc 300  
acctccactc caacagagtg ctgagtttaa aagttgacct gtgtttgtaa tttcactttc 360  
atcttgctta ataaatatct gctggattct ttcattcaaa aaaaaaa 407

<210> 252  
<211> 520  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA496247

<400> 252  
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agtagagagc atctacttgt ggcagccaaa gatttctttg cagtaacttt tagctagggt 120  
tagggataaa aagaagaatg agatgaacac attacaatat gatgtaaacc actggtatgg 180  
ttttcacaaa agtggaagag atttaatcag tgaataaatg ctacaaatth gccaatcgat 240  
ttttaacttc ccctaaatth atatttctgat aagcaatttc taagatttca actctacaat 300  
atttgatgca caaaaacaca gaaaaatgtt ttaagggag aataaattat ttttaagttag 360  
tcagactgtt aagatatatt taaaaacctg tattccagaa caaaagtcac agatgactaa 420  
cagaaaaaaa agaacgcacc tataatctggg taaacaaagc tatgtaatac acaattacaa 480  
taaattatta tggataact ttggatactg ttatatattt 520

<210> 253  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA504805

<400> 253  
tttttttttt ttttactatt aaaaatgtat tttccaaaag caaggtagtt gctgtcccaa 60  
aaagccgaaa gcctctagtc cctgcggaac gggctggatg gggcttcagt ctgacacagc 120  
caggcggggc agccctcggc gagctacgga ttctctggga gatttgatag agctccatcg 180  
ttgccctcgc atcttccacc gagctgtgtc caagcaggct gttctggatg ctcttggtgca 240  
ggaggcgctc actcagcacc cgcaggagac acgcctgcag tggctcagct tggcctcacg 300  
ccacaacagc ctgtcagtggt acgtgtcgta gattgtgtag ccgctcatgt cctctttcag 360  
tgccctggaag tcgtgcttca ggtcatgacc caccaccagc ttgcct 406

<210> 254  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA505136

<400> 254  
tttttttttg tattgcaaaa tgtacagcat ttattcacat acagacaaaa aggcacaatt 60



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ctactaaata gttcaacaaa aaaatacagc tgtcctcaac tagttttata aatacttttca 120
aaaagggggg agaaataaat acaggattgg gtcattgtaat ataaaaatagt catctctaca 180
tatactttga tttttaactc ttcatgcacc tttttttttt tcaatttttag ctgaatggac 240
accaagctag gcacatagtg aaaaatcctc tgtacaagggt tacaaatgta atgacaagtt 300
tgtccatttc aaaataagat ttgtacacaa cacataaaac ccttcattta gatcttgtgt 360
ttataaccta acaaatgaca ttccaggcaa ctttacaaaa gtttaactag cctacatttt 420
gac 423

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<210> 255
<211> 395
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. AA598695

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<400> 255
atttcaactt ttattaaacc aaatccagta actttttacaa tgccttacta gaggggttgcc 60
tcataactga accttcattt ctggcaggga agaaaccatg gcttcaggat catgactgaa 120
gtttggccat gttccatcat taatgttcca acatcaccag ggacacaaag ctgagcatga 180
gggcttctac ccaaatctcc ctacgacagg tacttcttca actcttccac cacctcttga 240
ggctcaggga atttgagttt gcgtgggggc cccttcttaa tcccagtcga gagctccgca 300
ctgctgccgt cggggcgcac agcgtcacct cgaagctgcc cctccgcggt aacgtcgggt 360
tcacctttac tggaagctct ggggcctcca gggca 395

```

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<210> 256
<211> 369
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA598939

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```

<400> 256
tttttttttt tttttaatta gattgcattt tathtagata aatgaaaatt tgccccaaac 60
agaactagga atcaaatatt gtcttggact agaggtaatt gctaagctgg aagcttataat 120
tgaaaactaa aatttccagc ccttgactat ctgtagtctc aaacatcaaa ggaaaatatt 180
ggaacaattt atctatgtac agagagaggc aactcatggg taccataagc aaaataacct 240
gagggggaac atttgatatt acaagaagtg gtgagagttt acaagtcttg cattgctttc 300
tattgtacat ggctctgtag taatgccaaa aataacaaaa tgtaggcact tgctctggac 360
ttctgcagt 369

```

```

<210> 257
<211> 408
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. AA598982

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<400> 257
ttcattttgc aaatttaatg taactctgat accaaaatat gacagcacac agaaagcaaa 60
caataaagca ggaacagcaa acagattttt ccatcacatg acaccctcag ctgattggcc 120
ataactgcct tgaactgctgt gtggacaaaag attccaagga tgtacttttg ctccatggga 180
aggactactg caattttatta gcggtatctg taaacatggg gaataaatct gaaacctcac 240
tagccatacg agaagccaca ggcaccaaga ctggcggctc cactgccaaa gccagcactg 300
gtgctcggtc caccaccaa gccagcacca gtgtttggtc caccgccgaa gccagctcct 360
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```

```

<210> 258
<211> 346

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<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA598991

<400> 258  
catcacgact tcaggtttat tagtgatatg cgcgaagtct tcctacgggt agctgcatgc 60  
aacacacggc actcctcgaa tacagtcac ctaaagcttt agttactgcg tggtaaggct 120  
tcttaagtca cagtgtattc ttcaaggcct gggccaaaaa aagagacttc gagacaagat 180  
gacgtcagat tacatggatc gctaataaac cgagctggac tagatccgac ttgatctaca 240  
cacatgccac tactgctcag ggccactcgc ccacgctggc caaggggtct gcactcacgg 300  
ctggctgctt taggtgcggc caaggtcgcg ttttctagag tgggtt 346

<210> 259  
<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599120

<400> 259  
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gttgcctccc gagccagtgt tactatcact ggctcctccc tctgccatac tgtcgacccc 180  
ctcctgcccc ctctccttgt cctcaggagt agacgtgcct tcttcacat tctgttggct 240  
ctctgttggt tcttcaagggt gtgtctcctc tgtctccatc ggaatgttct cgtcgtcttt 300  
cttctcctcg cctttgttag ctgcttgttc ttctcagga acgatgctgc tctgactgcg 360  
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tgctgtg 428

<210> 260  
<211> 546  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599216

<400> 260  
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atgaagaaca ttttacttat ttttatgtcc agtacagtca aagcagccac attgcataac 120  
cccgggggac ccccttcctc tttgtgatgc ccagaaaca tattgatttg attatagaaa 180  
gccaccggca gcctacatgc gcaacggtga gttgttgggt atatacactg tggaccatac 240  
agtggaaatat tacagtcaat aaaaggattt tttagagaga aaaaaaaaca ttggaacacg 300  
cttatgatata aatgttaggc aaaatcgctg ttatgaacag ctcgtttggg gcagagcaaa 360  
tcctgggaag taacgctgag gctgttgggt caggcagtg agtacaacat cttcgagggt 420  
atggagtgcc acggctcccc actagtgggc atcagccagg gcaagatcgt ctttgaagac 480  
ggaaacatca acgtcaaca gggcatgggc cgcttcattc cgcggaagg cgttccggag 540  
cacctg 546

<210> 261  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. AA599331

<400> 261

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gactgtgagg aatTTTTtatt ttcctttcat gttcactaat tgcaagcttt cttcatttcg 60
gtaatatcta aaatgatctc ctcttgctcg aggtagattt tcccagtagc ttctaactcc 120
tgacccagaa gcggtgtatt gcgcctcagc atggaggagg acgtgaaggc gtacggagtc 180
tgggagtagt acaccacgta ggtaggtttg tactggtttg gctttgtgta ctgtgttccc 240
caggcaattc gaatccagac tgcattctcc tcagtttctc tgaagctgac tgtcacattt 300
tttaatgctc tctgaagaat tttc                                     324

```

```

<210> 262
<211> 271
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA599365

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```

<400> 262
tcacatgata gttttaatat ttatttagca gaggggtaaa ttgaaacatc agttctctag 60
accagtcagg aaatgtatgc tttgtgcttt ataagcttac attcaacata gatgacataa 120
gttaccatac tcaaagttaa gatagggaga ggtagaagaa atagctgaga acttgaaaag 180
atgtactgtt attgtcaaca aaccaatgtc ttctcccttc ataaaattgt gtttagggaa 240
tattaacaat taagcttgta tacaatagta a                                     271

```

```

<210> 263
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA599522

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```

<400> 263
tttttttttt tttttttttt tttttttttt tttttttttt aaaaaataag gagggagctt 60
tatttaatat gaaggttgag gcagggcccg ggcgggaggg cgctgtcact tggatgatgg 120
gttcgcgttc atgctcttgc cgctgccgct gagcacgatg taggggggtc tctgagcctt 180
ctgcttctcc tggagcaggg ccacggtgcc caggggcgtg tcgctggagc tcatcttctt 240
caggagcgcc tctcgtcca gcttcttcat ccgcgcgtct gtcttcatct tgctgagcc 300
cttgccatgg aagcggg                                     317

```

```

<210> 264
<211> 226
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. AA599661

```

```

<400> 264
gaaccatttt tctgttctct tatttattga cagtttcttt taattacaac acaatgaatt 60
gatggtaaatt acagaagatg caatagtata aaaagccatt taacccttcc ctaggttaag 120
acacttacag cagacaaaaa ctgccccacc cctaattccc tccttgaatg gaaacaaaat 180
aaatataaat taataaatat aaaacaaatc actgcacagc ccttaa                                     226

```

```

<210> 265
<211> 273
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. AA599662

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<400> 265

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tttactctaa gaatttgtct tatttttaaat gcatggaaaa tagcaaaatt atcatgccaa 60
catgaggaat atatactata attcataaat gcctaattat caaaataatg acatagtcat 120
ggtagatgc aacctagaaa tcttatataa gatgcaacta catattgtat gatcattcct 180
cttatatatg acattcaatc ctcacaaat tcagctatga ataaatggca ttatgaaata 240
aacacttaat atcacaatag ggtcatagtc tgc 273

```

<210> 266  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609006

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<400> 266
tttttttttt tttggcctgt atctcataat tatttttatt tagaggaatt tggtagtggc 60
gggggtgggg tgggaggtgg tgtgtggacg gtgtgaattg acagaaacaa tttccctaca 120
ccaaaataca ggtatgtttt cattctctat gcccctaaac accctccctg cagctatgca 180
acgagcaatt cacgggaaga ggcttcttta catagacccc tgtttttggg gttttgattt 240
acttttgtgt atagagttga tctgtccctc ttccattgg t 281

```

<210> 267  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609027

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<400> 267
ttttgaacat gtagctcact ttattttccc caaagatgtc ttgaaatttt aatcagttca 60
gtcatcccta tctttcttct tacatattaa tcctatagat tagtgactct tgtataagac 120
aagaaaaact aatgtgcttg tttgatatac gcacagatca gtctctaagc agaagtgaac 180
atatgggaaa atgagttgga aaggaaaaatg ttatagaaaa tagtaaagac aaaccatggg 240
accacctttt ctgagtgaga gatacattgt cgggggcaga gtgctggaga gctgggcaga 300
gaggaacaaa atgtctgaca gcaggagccg gagcccaggg aggaaaccag atggaaaggg 360
ctctgctcag actgactcaa tgtgggcaca tatgggataa aggacatcac agagaactca 420
ggaacagaaa ccacactgaa atagagggat ggggagacat gctgggc 467

```

<210> 268  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. AA609309

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<400> 268
tttcctcact gatagctgat cacattaaac aggtacaggt gctaagaaag ttaagactg 60
atattttggc aatgacagtt taggttaact ctgtttggaa ttcctaaaaa taaaaagaaa 120
tcccttaaaa aaggctgaca aactgaccac ttggccttga atcgactgtt agggtcacac 180
ctgccaatgc caggggacat cacaaaaaaa tagagaatgc caagataaaa agttcactgc 240
attcaatttg gcctaatttc ttgataatag tttcctatta gattttccga ttaatactga 300
tggtctttac ctaggctgtg ataattaggt tttgatctat tgtgacatta atgatcacia 360
tcagttgact ttgaaattgt ctttaattaat ggctctttc 399

```

<210> 269  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. AA609312

<400> 269

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ttttggggttt gtttctttta atcacaagaa gtctctctgt gggtgctgag ctcaccgtgc 60
cgcaacgtca tggttatggg tggctgggcc ccagtcagtc tcgtgtggca gtcgggacct 120
tctacttcct tgccttcgct ttctttcctt tgctcgctct ttggggcttc agggcttcct 180
cctggcctgc gtggctggg atggggggcg ggataggggt gggggcggtt aggttcagag 240
tcttcttctg aagcttcagg tccaagatgg cgaatgtgtt ctggatctgg cgctgcagca 300
gtcctgcag gagctccatc tgggtgtgga ctgcctggca gatgaggctc tccaactcct 360
gtctctccag gacctggccg ggctgcg 387
```

<210> 270

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609504

<400> 270

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gttggtttttt ttttctttta aaataagact ttactgaata tatcaacaag gtactgtata 60
gtgtagagtg aagtttgtca ttaacaaagt gtgcgacatg gtaggtctca gaggatgtgt 120
gatgcagaat ctttcagccc cttatcagag agaacacact aaacagaaac cagaagcaaa 180
tcagcatatg gttcaaacia taacaaatca tcagggttaac tttcagtga tataactag 240
tcctatgagc gacacacact tggcaatgcc ttcaccttgc cttaaactt ataaatctta 300
cattccaggg acacctttac aaatgcccct gtttgtgtgt gtgtgtgtgt gtg 353
```

<210> 271

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609645

<400> 271

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gggggagagg agagtgaag agggtcaggg gtgagcagtc cgggcccgg cctggagggg 120
gctgaggctg ccgtcgtggg aggggcttgg ctggcggagg cgggctgcct gtggaggcct 180
tgaagctttg ccagcagctc ctggatgaag tcctcgacag gtttcccaca tgacttcagg 240
agtccctgga ttttccggct tctctcctct tcaactctta actccaacaa ttcattcaatg 300
ttgatctcat cgggcatgtc tgctccatg ccgcgggtaca gtcctccag gcgcccgtcg 360
atccacttct ccacgtccag ccgccgctgc agctcccgc ggtcatactt gacggtgacg 420
cgcg 424
```

<210> 272

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA609943

<400> 272

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ttttttttta atttaacact ttcaaacttt attatcagta cagtcaaagc aatacaaaagt 60
tatatggaac taaattaatc tagaaagtag atttttatat cattcaagat aaggagaagc 120
ccagattaaa tatataaaat tgttggtatt tacacagcta acttcccgtc ttgaaaacaa 180
tcccatacgt aaatttcttt tttggagcaa ggtaacttgg tgattgttct atctctaccc 240
agaattcacc cctatttgga aaactggggg ctaaaagcaa tcagaattca ccagttcaaa 300
aacacttacg tccatcttat tagcaacact aactaccag aggaaactaa aatagaccag 360
```

atttacagca gtaagta

377

<210> 273

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620289

<400> 273

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aagccctgtg ctttgaacc gcatcacagc gcccctcaca acagccctgt gaggtagggtg 120
aaggagccca cttcccacat gcagacactg aaggctcaac agctccccta ggcctcagggtg 180
ttcctgcggg gtgggcaggg gtccagccca cgggtctgac ccaggtcag cggcgtccat 240
cagtcagagg gcgggtctct actcaagggg agggcccggt tccagagtct ctgggtccag 300
cctgtcccgt gggaataggt gcagggtgtc cccgtggctg tggagggatt tcgagctgga 360
gaggggctgg ggtccacatt cgaggtcctt tcccacgtag gcacccaggt gatggcttcc 420
gccaaaccag gaaggagacg agaggcccg caggaagaag acttgggtcc gggatggtgg 480
gcccatc                                         487
```

<210> 274

<211> 303

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620461

<400> 274

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aatgttgcac aacaatgttt atttagtttt acatttggtt acaatttctt ataaacactt 60
cattataatt gttttatata aacaacagtt taaattttact tatgtttatc atttatttgc 120
ttactagttt ttcaatttca gataatcctt ttagaatcat ttcccttctt gaagatcatc 180
ctttttagtg ctctttactg aagttgtgct gaggataaca tctgtttttc atctgagcat 240
ctgtttgttt cagtttcgct tggtgcaaat tctaagctaa tagtttttct cagaattcta 300
ccc                                         303
```

<210> 275

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA620825

<400> 275

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caaaaagact tatttacaag ttgagcatgt catctcaatt catagcatgt agaaaaagct 60
aaaaatgttt tggagatata aatttggtgt gacgactcac ctacagtata ttcagggtatg 120
tcttctgtac agaatatata cagggtggga ctggcaaggg aaatcctatc tcaggaaggc 180
gatgaacacc accacagagc cacagaccct tagcaatgtt ccctggcttt catttgcatg 240
tggccttgct tctggacaga gtttgatgtg ctgggac                                         277
```

<210> 276

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621367

<400> 276

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tttctagttc ttgactttaa tgcccttggg gtgtactgag gctcaataca ccaaagcact 60
cacagacagg tacatgaact cacacaggaa gtgttatagt gtgtacataa acccaacacc 120
atacagaagg aagacgacgg acccaggtga caaaacttct cgggacttcc tgggtcaagcc 180
ctagctatca gcctcaagga aagactacca tgccttgagg aaaggccagg tgagcgctgg 240
ctggagtgcc tgcaggccgc aagccctgag cccaaccctg aggtgcagtc agggagattg 300
gagctacacc tctgtccctt gggagctgtg cctcaggatg ctgttctcac ctcggcagat 360
tctggggcag tcagcagccc cttcagggat cttactcca gagccaccaa gcaagggtga 420
catcctccct gatgggactc tcgcctaccg gggctactca ccac 464

```

<210> 277

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621634

<400> 277

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tttttgggct ttgcaaaatt ttaatatatt aaaataagag gcatctgtta gaaaacattc 60
tattgtataa aacccgagtt cttaaaaaca tgttttcttt ggcactttca ttccctccct 120
cccctttccc cagcatattg caaaaagctc tccagtgtta aggcattggc aggggtgtgta 180
aacagcagcc agcatatgtg gaagaataat acaaagcttt ttttttctt ctaatatgtc 240
tgtgcagcaa gcataaataa caggacccat tccaaggagt gtgtgtgggt tttccccctc 300
ccctgtgtcc tctgtcacct tggatgatgag gccagagtga tgtgaagact gggagggaac 360
c 361

```

<210> 278

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. AA621695

<400> 278

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tttttttttt tttttttttt tttttttttt tttttagggt ctaccataa agctctttat 60
tggcctccag ggccctgggc cagcccccact gtggggtcac atggaaaccc aggctgggga 120
gccgcctctt gtctcaciaa agtccacgtc ctccgggaaa acggcaagcc ctccgctggg 180
gggtcagcga tgccggggcc tccatgtctac aacctcttgt tcttgtcag ccggttgtgg 240
cgccagatgt tctgtttccg cagccgcgcg cagtactccc ggctctcggg gtccagctcc 300
tccaggggtc ttggggggacc aagttcatct caaacagcca ttcagggtac tcagcatccg 360
gtttcagggg ta 372

```

<210> 279

<211> 1201

<212> DNA

<213> Homo sapiens

<220>

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. D13643

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2104

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<211> 419

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D45370

<400> 300

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agtgggtggac caggccacag agggcgggca gaaagccatg gaccagctgg ccaagaccac 180
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agggagactt gggtgacccc ccttccaggc gccatctagc acagcctggc cctgatctcc 360
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```

<210> 301

<211> 3233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D50928

<400> 301

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```

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gcctctagcg aggagctcgc agaagcacccc acggaagccc caagcccaga agccagagat 1080
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```

<210> 302
<211> 404
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. D51060

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<400> 302
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ctcttatttta caaacaacac tgggcaggat acccaaaca acaaacaaga aatwcttaca 180
aaggcatgaa gctgtttatt gacagtaatc agctttcatc aaattaaaaa atatatatwt 240
btwcatacac agttaacgag gcaggccaga aagagtttat ctgtaggctc agcctcgctc 300
tcacctcgtg ccgaattcct kcagcccggtt ggayccacta gttctagagc ggccgcccac 360
gcgggtggagc tccagctttt tttccyttta gtgaggggta attg 404

```

```

<210> 303
<211> 283
<212> DNA
<213> Homo sapiens

```

```

<220>

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<223> Genbank Accession No. D51069

<400> 303

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catatatataa gggaacaatt tkcaaattta cacaactgac aaaaccatat atacacacat 120
atgtatgcat acacacagac agacacacac acccgaaagtc tctagccagg cgccggtttym 180
catcccyaaag taccattctc tcatttgggc ccytctaggg ktggggcccy cgtgccgaat 240
tcctkmagcc cgggggatcc mctagttyta gagcgccccc acc 283
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<210> 304

<211> 347

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D60074

<220>

<221> unsure

<222> (1)..(347)

<223> n = a or c or g or t

<400> 304

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gatagamtty gatgaaatga aattgcacaa atgtctgtat accagggttg atatacacacc 120
tactaacatc acatgtacat ttttgttttt ttaatttaat gtacagaaca ggatatactg 180
taaaabtytt cttcaccttt ttaaaagctt catttgcaag ggcaggvcat gtacctaaaca 240
gaagcggctt gtttgtgagg ttgcttaagg grgaactatc ctgttcatgt ttctgaaatt 300
atcttttatt tactaagrtg gacaacactg tatttccata gctttgg 347
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<210> 305

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D60755

<400> 305

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cccagaaata ctagaaagcg caccataaaa cgagggcacg agattgtbgt cccattcacg 120
acggagctga gggggaggtg tgcaggttcc agcctagatg ttcaggattg agatgtgggt 180
cgtgaaagga aagtgggttt tccgggatgt gggggccttt ctvagcactg ggtccactga 240
cgctgctgyt cccaagggga tgctaggacy ccgytcaggc aggggtgggc tcg 293
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<210> 306

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. D62584

<400> 306

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tccccatttg tcaaagttga cctcaagata acatttttca ttaaagcatc tgagatctaa 120
gaacacaatt attattctaa caatgattat tagctcattc acttattttg ataactaatg 180
atcacagcta ttatactact ttctcgttat tttgtgtgca tgcctcattt cctgacttaa 240
acctactga gagcgcaaaa tgcagcttta tactttttac tttcaattgc ctagcacaat 300
agtgagtaca tttgaattga atatataata aatattgcaa aataaaatcc mtct 354
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<210> 307  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D62965

<400> 307  
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 ccaaaacagt gattgaaatt tcccaaaata attatggctt ctgtcatctc cagagataat 120  
 ctggcttggg ttaccccata atctaatttc agaaaagaaa gctttatttt aacactcatc 180  
 tgaatcaaca ttaaagcctt ttctctcaaa gcgtttattg agaaactcaa atgaatatac 240  
 tttttgaatt actgtcatca aaagtgtacg gcttcctgtg ctgcttgtgt caaatggaac 300  
 ctgccctcta aagcactttc ttccctttac ttgcgtgggt tcatgtaagc tgtgctgttt 360  
 agaacaacat ctccagacttt acaaagaatg acaagaaggc aattgcactt tttagggata 420  
 tcgccaagca gtttctgttt tctaaaggcc aaaatacaga gtgtgtgtca tttttattag 480  
 at 482

<210> 308  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D80059

<400> 308  
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 catcatttta gcgctttctt ttagaggcag ggctctgaca actcttgatt aacacacaca 180  
 tccaggcact ttgtytctyt tccctcggtt tcctttkata aacaccaact ggcagagggg 240  
 acatggagca ttttttcttc aattgcagtg attccttkag ggaaaggggc cytcaggagc 300  
 attgttcaca ttctccgbyt tgccttgga ggcagttaga ggatgtkgtc actccagaat 360  
 aatttwtka ktcacatact tyt 383

<210> 309  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D80063

<400> 309  
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 catcttcmga ttcaactmga ygcggctgaa tatttgamgg aagaaaaaat aaaaatacaa 180  
 atmgaamgaw acagtataac aacygttkcc attatacaat atctatacat ttcgttagtg 240  
 atgacttcaa gtacayggga ccaggcacgg tgactcacac ttgtatycca acacttcgga 300  
 ggscaacctg ggagsatagt gagacctt 328

<210> 310  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. D80237

<400> 310

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ggccaggaag ytytggrgga ctcacctgc cacctytggc acaggcactg gcactgacgg 180
acaagsgaa acagcggccc ctctcaactg ggrgggcacc aatggccctt gtagccagag 240
gttggccggc ttttgggccc caggctcctag gcatgactgg tggtcaccaa tttggccctt 300
ktccccaacc agtgctgggg ggccatcttt aggcagaact caggaagcct cgtscggaat 360
tcctgcagcc cggggga 377

```

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<210> 311
<211> 295
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. D80617

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<400> 311
aacaacaat tgtgtttatt gacaagttca tacatcagta caaacgggca cgttaaaaaac 60
agcgcccccg ccccatgcag ccgaggatga ggcaggaagc gccgcgacct gcacaaagta 120
taaaagttat aaataagggg ctttcaaaac agggcggggg caaatctgga gtggggcggc 180
ggttgccggg ggcctcagac atgcagaagg ggacggggcg ccggccgggc cagcaggccc 240
cccacccaca tggggcagag ggcaggaaaa gggcgggcac attctcctcg tgccg 295

```

```

<210> 312
<211> 313
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. D81655

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<400> 312
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gccctcctct gcccatgcc tttggggtct gtctgtcgt cttttttgtt gttgttttta 180
tatattgaag cgccctggccc agccccagc cccccagccc cgcactgsgg ttaatttatg 240
tgttgtttta aatgcggctg ctctgcttcc tgccctctgt tctgccsgat ccchaawaaa 300
atgkgggggc ccc 313

```

```

<210> 313
<211> 1425
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. D82346

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<400> 313
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ccgcgtccg cccccgctga gcttgagccc gaccggggc gcctcccgc aggcaccatg 180
gtgcagaagt cgcgcaacgg cggcgatata cccggcccga gcggggagaa gaagctgaag 240
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<210> 314
<211> 493
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. D82534

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<220>
<221> unsure
<222> (1) .. (493)
<223> n = a or c or g or t

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<400> 314
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gaaagtcttt gtgtaatgga aacagcatcc aacttttagt gttccacctc tggttgtttt 240
agtaaggaca ttgttggact aaggactagt gtctgttggc agcagcattg tgcttctcca 300
ncctttgctg attgtggtca ctcatcttct tgtacaggaa cagctttaan aactatgtca 360
tcaactccan aatcttctgc aatgtgtaga aaagcagcaa ggactagatt gcctagggga 420
aaagacttaa tttacttttg gagtgaaaaa tctgatcaag aaactgggac gttgttactt 480
cctgtttcct cca 493

```

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<210> 315
<211> 3198
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. D83018

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<400> 315
ttgggaggag cagtctctcc gctcgtctcc cggagctttc tccattgtct ctgcctttac 60
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acattctgtt tgatcttcgg tctcggagca gtttgggggc ttggtgtgga cccttcctta 180
cagattgacg tcttaacaga gttagaactt ggggagtcca cgaccggagt gcgtcaggtc 240
ccggggctgc ataattgggac gaaagccttt ctctttcaag atactcccag aagcataaaa 300
gcatccactg ctacagctga acagtttttt cagaagctga gaaataaaca tgaatttact 360
attttgggtg ccctaaaaca gaccacttta aattcaggag ttattctctc aattcaccac 420
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gacggctgta	agaactgcac	atgcctgaat	ggaaccatcc	agtgtgaaac	tctaactctgc	1020
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<210> 316

<211> 217

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F01920

<220>

<221> unsure

<222> (1)..(217)

<223> n = a or c or g or t

<400> 316

aacagggata	ggcaaacagc	tctttattcc	aactccatta	gtgatatgaa	agaaagacaa	60
tccaagtcag	taatggaaat	atgcaagang	ttcaatttag	gtgaggtgaa	tttttgcag	120
tgttttaacg	gttgagggtt	agtgtatatt	gtacttttta	cccttaaggc	caagtaattg	180
gcaactgtga	accattaatg	taaaatattg	ataataa			217

<210> 317

<211> 205

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02204

<400> 317

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caggagaagc ctgtttatta ggcaggagaa gcagcagggc agccaggctc cctcccagc 60
caccagctgg ccaaatgtcc tcccttaact caggggtacc caaggctcca tggccatgtg 120
accagaggcg tgtaccctca agaggcggcc cctcagccct gggcagccca gccactgggt 180
ctcgcccttc aggggcctgc gccc                                     205
```

<210> 318

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02245

<400> 318

```
gggggtggca gtgcacttta ttaacaaaca aaacagtacc atacaggcaa aatcttactt 60
cagtggcaaa gcacacacat aggtatactc caacgtgtag cactggggca aacttcagac 120
atggaacatt aggcaccaag ttcacaatca cactaaacat agttcacaat ctttcaatcc 180
atactcttca gtggaggatg aggccttatt taacagttaa ctgggacaga cagatgaagt 240
tttaaaatct aattcttggc ctaactgtgg agtggggctg actcagcctt cagaactg 298
```

<210> 319

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02333

<400> 319

```
gcattaacag taacccaag aaaggcatca gggttctgga gtgggttgtt gagtgacaca 60
gcacaaggcc ttgatttcat catgcttttg ctgtggatgt agtgtagctt gctgaacagg 120
tatggaagct gtctttgctg ttaagtactt ctcccgtttg tttatcaacc tgcagctaac 180
aggatgtctg cttttttaca ggtttatttc ac                                     212
```

<210> 320

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02470

<400> 320

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gtttcacatg agtgaaaaaa ttaacagctg cctcatttc tgaaaaacaa aaactataaa 60
caatcactgt tgctcccaat gggaccgttg gacataagcc ctgaggcttt ggggtcaacg 120
ggctagactc tagaagccca ggaccccgcc aaggctcatgt ctgcatactt ggggcagggc 180
gagctggtga accatcgcat ttctctgctg cttctttaca t                                     221
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<210> 321

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. F02992



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<220>
<221> unsure
<222> (1)..(312)
<223> n = a or c or g or t

<400> 321
aagaatttta gtttttttct tccccagac tttttttttt tttttttttt tttttttaag 60
gaaaaaaacc cccgccaaat ctgaaccgcg ttgtagctcg gtccccgcct cctcagcggg 120
ctgtcgcgtg caacaaacct ccccatcat cttagaaaat aattatagag cgcggcgccc 180
cgccctcgtt cctgccagtg ggcgnttttg tcctattttt tggattattt cattacgaag 240
cacgtgaatg aatctagccc ccacaccttc aagaaagaaa ctgcgaggact ggggttgaaa 300
agcccagggtg gg 312

<210> 322
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F03254

<220>
<221> unsure
<222> (1)..(202)
<223> n = a or c or g or t

<400> 322
attcatggtc gantattatt tattgtcaga aagggtacagc attcacacca atatcagaca 60
aaatagattt taactaaaaa attatttcgn gacaaaaata acaatatatg tnaataaaag 120
gctcaattaa aaatgtataa caattataaa cacatacaca tcaaacaaca gtncccaaaa 180
atacataaag caaacattga ca 202

<210> 323
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F03969

<220>
<221> unsure
<222> (1)..(305)
<223> n = a or c or g or t

<400> 323
gaactttggg aaaattattt atttctcccc acgggggttca gacaagtaat ttcacatttc 60
attgtaagtc aagggttaaga aaacattttt tgtacatcca tcactaatag agatcacagt 120
atgtcaatga aatattttaa tacactgtac agagattgct ttttaatgga tttctataag 180
tagtattaat aggaaaaagc atataataca atctactctg tatctaagag ctttaattta 240
ttcaaatatt ggaagaaatt catctnctga attttnctta tttaaaaagc attatgagaa 300
ctgat 305

<210> 324
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. F04112

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<400> 324  
aatagagatg ggggatctca tcgtcaccca ggttggaatg cagtgatacc atcacagctc 60  
gctgcagcct ccacctcctg ggatcaaccc ctacctcatt ctcttgactg ggactacagg 120  
cactcaccac cacactgggc taattaaaaa aaaaaattct tttttgtagg gaagtgggtct 180  
tgctatgtca cccagggtga tctagaactc ctgacctcaa gtcacccgtc cgcattatcc 240  
tcccaaagtg ctgagattac agacgtgagc cactgcactt ggcctattta gggcttctaa 300  
ttcactttcc ttttccttct tgtctaattc ttgtg 335

<210> 325  
<211> 178  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F04492

<400> 325  
gtagagacgg agccatccat gtttcccagg ctgggtctcga actcctgggc tcaagcaatc 60  
ctgccgcatt ggcctctcaa agtgctgcga ttacagggtg gagccattgt gcctggccaa 120  
aatgtgtatt tttaatatgc tgctgagttg actcttgtat gatcaggagg agcatttg 178

<210> 326  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F04816

<220>  
<221> unsure  
<222> (1)..(211)  
<223> n = a or c or g or t

<400> 326  
gatgtaacat ttgtnatttt attggaaaaa gctgggtatta acatatttat agttttattc 60  
aacaattggg taatttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120  
tccaaactga tcagggtgga caacttgacc accatgtntc ccacaccacc acccccacca 180  
ccaccaccac caacagcttc gtcctcagag a 211

<210> 327  
<211> 276  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. F09281

<220>  
<221> unsure  
<222> (1)..(276)  
<223> n = a or c or g or t

<400> 327  
actgtttaaa tataattgaa gtttttnata tgatgaagtg ctccataatt taaatgtaaa 60  
aaaccaatag gaaatatatg aaataaaata aaattatacg taaaagtgc aatgcctcta 120  
ttagatttaa cagtatctta caatagaata agttgaaacc tacaaaatgg aagaaagttt 180  
aaaattaggc agatattatc ancctggtga agaataaata catatgtcaa taagcattta 240  
atgtatttgg tcttagattt tacatgaaat aataaa 276

<210> 328  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. F09315

<400> 328  
 acagaaattg acctttatctt gttgtactaa agcctgttta acttttgata caaagtaaca 60  
 ttttagtaca gaaaatccca gtctgtcagc tcagtacctg tctgtgcaca ctgtaccatc 120  
 tcagtcctac tctgcctgta acttagaaaa cagcccctac cccagaggt ctgagagta 180  
 ataccttgag aatagctctac agtttttcat agtttgtctg agctagaaaa cttgtacctg 240  
 taaaacaaag gacagcattg aggactgaaa cttgtctctt ttttgaacaa ctg 293

<210> 329  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. F09684

<400> 329  
 gctttacata aacttataag gattttttat tttaaaggatt taaaaatata acacagtcaa 60  
 tataaacatg tactgggaat tataaaccat tctttcttct aagcactgga tgagatacta 120  
 aaaacataca gtatcttacc aatagccatt aaaataggct aaaatgaaaa agaaaccgtt 180  
 gtaacaaggt tactaatccc ccaactttca atgc 214

<210> 330  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. F09748

<400> 330  
 gaatgaaaga atccagcaga tatattattaa gcaagatgaa agtgaaatta caaacacagg 60  
 tcaactttta aactcagcac tctgttgagg tggagggtgca cggtccttca tcataggcag 120  
 cctatgcgag atgcatctta ggaagggagc ttctgctgct cagaaatcaa agctccatcg 180  
 gaggtgtcct actggaggca tcagacaaca agctaaatga cgttaggggt acacaacaca 240  
 aaggggaaaag ttgacaacaa ttcagggggt ttgagtagtc aagacaatta gcttagtact 300  
 tcagggtcaat aaatgctaca atttatgggc aa 332

<210> 331  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. F10078

<220>  
 <221> unsure  
 <222> (1)..(247)  
 <223> n = a or c or g or t

<400> 331  
 catgccttga ggaaagctat ttattttccaa gatatagact gtactttttaa gacaggactt 60  
 ttcagaagca ggaaatttta gttgttgcca gagagggtgtg tcaaggacac agtgaaagga 120

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gccatgcgga catgggggtgg aaggctttnt ccaacactgt tacaacactt ttgtaaata 180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tgttacacat ttagagacaa 240
tatttac 247

```

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<210> 332
<211> 243
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. F13763

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<400> 332
tttttttttt actttaattt ttctttttatt ttcactgaca gaaaaatttt ctggagagta 60
caatcaagat agtgattat tagaaataac attaatagaa gcttggtcag aaatgataat 120
agtcataata agcatctctc tcaccaaggc attccacaca gagagatcac agcacaataa 180
ataaaggatt tctcatttgc cacacaacaa ataaaacaat tgcagtaaca aaaatatgac 240
ttt 243

```

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<210> 333
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H01824

```

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<220>
<221> unsure
<222> (1)..(415)
<223> n = a or c or g or t

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```

<400> 333
attcacaana annnnntttta ttattcttaa cagtactcac tttaaaggaa taagaggata 60
gcatacatTT tttacagaca atatataaat gttgtacata attaacaata acttagttca 120
ctaatacaaa ataaaaacaag ccaataaaaa cataaaaaaca gaaaataactg ccgnttcttt 180
ttcttatgCG ggacactagn taaaaaataa gttacttctg ggccgtgggt gctccctgca 240
ggcgactgcc cgcccatatt gcacttgggt cactaacatc aggcacaatc ctccctccggg 300
ggccggggcc ccttcancag ggcccaccac accccgccgt tcaccggcat tacaggaatc 360
ttaggcttgg gggacagggt tattattaca gctgttacct tggggggngg gggttc 415

```

```

<210> 334
<211> 309
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. H02308

```

```

<220>
<221> unsure
<222> (1)..(309)
<223> n = a or c or g or t

```

```

<400> 334
tgatagcaca ttttagtttt taataaaatc tgctttttac ttatatTTaa ataaattgcc 60
cagttactga atcagaagca tttcttTcaa agcaaaca aaataagcatcc cttctatggt 120
aataacatgt taatagtatg ttggcaagtt gatttagaac aacttgccaa caatacaaac 180
agaaaaaagg agtgggtcaa agaaatctag tttggcttta ttttcaatag atcactactgt 240
ctgttgaaaa aggaataaat aattatggag cctatcta atataactca atagnttgaa 300
attattgag 309

```

<210> 335  
<211> 277  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H03387

<220>  
<221> unsure  
<222> (1)..(277)  
<223> n = a or c or g or t

<400> 335  
acgcaagtta gannanttat tatgataact ctgcaatctt ttcagccact ctttaagggt 60  
cctgggcatc cattctgggc acagtgtgac atttacctga acagagagga gantggcact 120  
agaagatgag ggagatttgg tgcctaaaaa ttactacaaa caggcagggt gcagtggctc 180  
acgcatgtaa tcccagcact ttgggaggcc gaggtgggtg catcacgagg tcaggagttt 240  
gagatctgcc tggccaacat ggtgaaaccc catctct 277

<210> 336  
<211> 372  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H05084

<220>  
<221> unsure  
<222> (1)..(372)  
<223> n = a or c or g or t

<400> 336  
tttttttttt ttcacagtga gcattaaatt attattccat acagccctgg ccctggccct 60  
tcttgaggga gtgggggttn tggggntn gcagcaggga tcctgccaga tgatgtccac 120  
atgagaaggc aggtgtccaa cagcttcagc ttcacccagt gccccccaga caaataatga 180  
caagtccagg gtcttctgat gtgtcaggcc agcactcccc ttgctgatgg gaaaaccggg 240  
gctcggccag cccactgca tcccctcaca tgatgatacg aggctctngc actgactcgc 300  
caatagactt gtggggcagc angctggctc cgttgaggta ggagctcatc attaactatt 360  
gacgtcctnc ac 372

<210> 337  
<211> 353  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H05625

<220>  
<221> unsure  
<222> (1)..(353)  
<223> n = a or c or g or t

<400> 337  
tttttttttt tttttttttt gcttcacaaa tgtcaatttt attgacacta gtgcacaact 60  
aaatacaata attgcaaagg aagtggaaag tggtcaaaca gaaatgggtga caatgagtta 120  
gaactgcagt tntttcaagg tactacacta ttatttataa aaaaaatcac aaanagaaaa 180  
atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240

```

gggttaaaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc 300
accgtaatct gggcaacatc cgggggctta ccttcagctc tcggcactgt gcg      353

<210> 338
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H05704

<220>
<221> unsure
<222> (1)..(501)
<223> n = a or c or g or t

<400> 338
tttttttttc cttctgtagt cgtcttttatt tagagcagaa ttcagactca gctgggtatcc 60
cccagggcaa ccccaggatg ggganagggc tggctctgtcc ccacccactt ctccaggatc 120
ctcccagccc ccaggctgnc ttttccctcc aactgtcagc tgcttagctg ctcatctggg 180
gattggagct ggagcatctg tcaaggttgt ctccctgaca aacagcttcc tctttggaaa 240
tggcttctact caggtcctgc aggtcatcga gcaggacaga gagggacccg gggaaggaag 300
acagcagatg agcaccagac aagggaaggt gctcgtgggt acagagggaa acaggggttg 360
gcacagggaa atgaggggaat ggggagagag ggaggctctt tgggtccaag ctggggcatc 420
ncttaaaaga ggtttaaggg tntcgaagga ccncagagaa caacattctt cntgcgagat 480
ttttaagagg gagttttctn a      501

<210> 339
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H08548

<220>
<221> unsure
<222> (1)..(465)
<223> n = a or c or g or t

<400> 339
ttttttttca caaatattgg cttgggttttt atttctatgc ttataaaaaa aatatgaagc 60
ttctttgtgt ggactgaagg ggtgttagcc tgtggatggt ggtcttcggt gcctgtaccc 120
cagtggctgt ttacattcca ggnccctgct aaataaagna ggctccactg ccagctgtct 180
gtacactttt tcttggggga agagtctctg tcttcagttt actgcagtag ggttcctggc 240
tctgttacat gctcatgtgt tccggaagaa catatgaaat atcatccac ggatgacgat 300
acagcccctg cttcagcctn ttctgatcaa gatagtntcc aatgaacccc atactccttc 360
ccagcacaaa gatgccattg agggctccaa tgtcaatatt attgcatcag cttcctcccg 420
agtaaaggga cccacagttt ttttaaggatg ttttacaatt gcgat      465

<210> 340
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H15143

<400> 340
tttttttttt tgtgggtcac agttgagggg ttattgccag tgtaggaag aatggggggg 60
ctgggtggcc aggggtcttg ggaggaattc caaatgagca ctgcagggcc tgtgagtggg 120

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gaggagagct gctgcccccc tgccacccag gaggccccag ggctgatgcc accatatcct 180
gactgctagt ggtgccttaa aaggtggcct cccacacagga ggggagcctt gggggccccc 240
aggagtcagc cctcaccaac aagccctctc tcaagggggc caggggcttt tattcctcat 300
gggacaggct ggg                                     313

```

```

<210> 341
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H16171

```

```

<220>
<221> unsure
<222> (1)..(295)
<223> n = a or c or g or t

```

```

<400> 341
tttttttttt tttttttaaa ttaaaccacc ntatganttt attaaatcca gaactgtggt 60
aaagggcgcc ggtctncgag ggggagtntg gtagggggac gagggacaag atgatgaacg 120
gccgtgggca tcccntaggg ngacccggnc caccgccgcc caaccacccc cctcngcaac 180
gctgcacagc cttcaccatg attcccagtg gtgctgggct gggcagggcg agatggctgg 240
gaaacacaga gggacagagg gacagacaga cgccttccac aaacaaaccc tggnc       295

```

```

<210> 342
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H16676

```

```

<400> 342
ttttttttta gttttgtggt actacatatg ttttattaaa aattcaaaact ttttttcaga 60
tcgaagcata atttatcttc cattaacaaa aacgaagatc tttaaatttga cactgattaca 120
attaaaatgc tgaaaggagt tatgaggcat ttaaatacatt cttcaattag aatgtttgca 180
gcatatttct cagaggctga cctggaacac attacctttg ttggcaggca tcaaaggcag 240
gataaatcct gtggctggaa atcaattgtg agtcccatta ggatgacttt ctaggcacac 300
atgcataggg tcttgcaactg tatccgttct acttctagga aggttgctgt ctggaaggct 360
ctttccctg  ggcgaggtca ctttcccg          389

```

```

<210> 343
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H16768

```

```

<220>
<221> unsure
<222> (1)..(471)
<223> n = a or c or g or t

```

```

<400> 343
ttttttttta atttataaaa atgaaaagtt tatttgtctc atggttctga caggctgtac 60
aagaaacatg gcaccaacat ctatttctgg tgagggtctt aggtgcttc cactcatggt 120
agaaggcaaa aaggagctgg catgtgcaga gatcacgtag ncaagagagg atacaaggag 180
atttccaggc ctctttttta cagtcagctc tcatgagaag taatagagga agnaagtcac 240
ttactactga gagagtggct ccaagccatt ncataaggaa tcaaccacca tgacacacta 300

```

```

gggcctcacc tccaaaactg gggaatcaca tttcaacatg aggatttggg aagggtcaaa 360
tatccaaact ataggcattc tacccttgga acgcctaagt atcctgtcct tctcacaagg 420
caaattacat tattttattc ccattagttt cccgaaaact taacttgttt t 471

```

```

<210> 344
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H17333

```

```

<220>
<221> unsure
<222> (1)..(354)
<223> n = a or c or g or t

```

```

<400> 344
ttttttttta attgttaata ttgctaattt gtacaatggg taatgatctt ataaaatagt 60
tgtatgaaag caccaaccac cttagaaagt ctgaccagca ttcataatcta ctttccagac 120
cctcatccct cctccccact cacctgactc tgctcggtc attcatgggc tttcctgtgc 180
tctgccattg ctcaggtgag tgagcagttc gcccggcaca ttgaccaggc agatccaggg 240
cancgatcg gtggagccca ggaaatggag aggctggcac agctgcagca atgcctgnaa 300
gctgtcctga ttttctccgg cttngagata gccaccactt ttgagcatta ttac 354

```

```

<210> 345
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H17550

```

```

<220>
<221> unsure
<222> (1)..(486)
<223> n = a or c or g or t

```

```

<400> 345
ttttttttat ttttaaaaaat ctattttattt atcaaaacag tattggcaca gtaatttctca 60
tattatcatc aaataataaa attgctactt tctgtactca attctttaga atcctagaaa 120
ttgcaaatgc attcaattta acaatattgt aaataacaat acaaaagaaa gaactctgca 180
tatttatgga aacattgttg atgggtacagt tctactgaaa ctcatacaca tttcactatt 240
taattttacat atggnccttg tgaaaaaaac cagtatgttt tactttttca atttccttat 300
ggctaaaata catgtaattc taaagggata tctcttgggt gttataaaaa ccaggaggagg 360
tccaccacca ggtcaagggt ggngtcaagg ntacttcaaa ggttccctgg aatggatccg 420
gaaaacaaat ttttaaccna aaatgtggta ccgntttggg ggggcccttc ncgggcccc 480
caacgg 486

```

```

<210> 346
<211> 371
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H18947

```

```

<220>
<221> unsure
<222> (1)..(371)
<223> n = a or c or g or t

```



<400> 346  
 tttttttttt ctttttttag gnttcatgtt tgttttattt aaagtctggt tgggtacaga 60  
 aaacacacac acacttaaca ggtaaaaata tccaaataaa atttactgca acttttgtag 120  
 aattttattt gtgctacaag acacgttgca taagaaacta tttaaagccc ctgaggaaaa 180  
 aatatccatg gtttaagggtg caactgggtt tgtttcttct ttggggaaaaa ggtgatagat 240  
 ggtctctggg agaaattatg ggggtggagt gagaaagcaca atcgaagggt atatgggtggg 300  
 atgattggcg aattgtgtgt cctgggttct tggcagcatt aaaatagcct aatgttttgt 360  
 tctttttttc a 371

<210> 347

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H21814

<220>

<221> unsure

<222> (1)..(187)

<223> n = a or c or g or t

<400> 347  
 ttattgaggg tttattgagt gcagggagaa gggctctgat gccttggggg gggaggagag 60  
 accctcccc gggatcctgc agtctctagt ctcccgtggg ggggggtgag ggatgagaac 120  
 ccatgaacat tctgtagggg ccactntctt ctccacgggt ctcccttcat gtcgtgacct 180  
 gggcagc 187

<210> 348

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H22453

<220>

<221> unsure

<222> (1)..(432)

<223> n = a or c or g or t

<400> 348  
 ttctcttggt gctggagttg taaaaatcaa tgtcccattg ctgagatcga agctccctgt 60  
 gtctctgggg ggctcagcag ggacgatggc ctccagagtg gacctctgag aaattgcaga 120  
 ggcacagag ctgtgggctc agcatatgag gtccccaggg gccatagacc cctcctcct 180  
 ggggaagagtg ctcttcgaga gcttatttgc aatctcctgg gagtcccaga ctcaccaaag 240  
 gattcagatc ctcttctttt tgccctcctac atagagcaca ttatagacct gaaacaggaa 300  
 tcagaattcc agactccctt agtgaggaga caaagtgtta ggtcttagct ttttcccttc 360  
 taaattaagg gtccctccctg ggattcaggt tgcttgatag cttatncctg aaantggtn 420  
 gagataggga aa 432

<210> 349

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H26288

<400> 349

```

aaaaacacca gtttgaaaca cattactgaa agtgagtgtg cacaataaat agaaaatagg 60
gatgcatagt gctggagaca ttcaaccaac ttatcttcat ctgttgcccta ctgttgtaga 120
caaaatttga cacacaatta gcattactga aagagcagcc aaactacctc ggagaaaagtg 180
ggcaaactac tggaaaagta gcttaaagct ctgggaccac tcaccaaaaa taa 233

```

```

<210> 350
<211> 290
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H27180

```

```

<220>
<221> unsure
<222> (1)..(290)
<223> n = a or c or g or t

```

```

<400> 350
aggntttatt ttggaccaa aaaaaaacca caattgtttt ctagctggaa gantgggcaa 60
gggggggtccc agacagtaaa ctccccacg ggtgggttga gcctcaggtg ggggggtctcc 120
tgttgtctgt gtttccccac acagcagcct cctcctggn gtctgtggca gccacgggag 180
gggcagacta ggaggagctg ccacagtnt tcaattgggc aggaagtcag aggactcaga 240
caccagcttc ccatcgcggg tntcgatctt ctnanaacc acggccctgg 290

```

```

<210> 351
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H27675

```

```

<220>
<221> unsure
<222> (1)..(292)
<223> n = a or c or g or t

```

```

<400> 351
gtgtctccat ggcgagtggg agcgtgaaga tgaccagctt tgccgagagg aagctccaga 60
gactcaacag ctgtgagacc aagtccagca ccagcagctc ccagaagacc acgccagatg 120
cgtctgagag ctgcccagcc cctctgacga cgtggaggca gaagagggag cagagtccga 180
gccagcatgg caaaggntcc cgccagcctc ctggcatctg agctgggtaca gtggcacatg 240
cantcgaagg agaagcgag ggccatcgag gccaggaaga agaagatgga gg 292

```

```

<210> 352
<211> 327
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H40424

```

```

<220>
<221> unsure
<222> (1)..(327)
<223> n = a or c or g or t

```

```

<400> 352
ctgtatantt tnncttnttt tttctcttgt gatttggcac ttaaggctta agcgcnaaaa 60
aaaaaggcat ctactgacaa aatatgggac ttgtctgtna tgcattggtaa gtgggctata 120

```

```

aaatccaggg aggggggtttc aagccagaag aagctactga caaattgact tgtccttatg 180
ttaggtgggg ttatgagggg gagagggagg gcacattctg aggtgctggg ggaaaggggt 240
tgagcttaac cttgttaatg tagggcctgt ggggaatggg atgggtaggg agaagagggg 300
atgggatgtg ggtgcagggt aggggct 327

```

```

<210> 353
<211> 448
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H44631

```

```

<220>
<221> unsure
<222> (1)..(448)
<223> n = a or c or g or t

```

```

<400> 353
actcagcatn cnttttatct tncatctga catttctaac aaaacgccag ggagacggag 60
ttaaaaagaa tccacccac gaaaggtaaa caaaggagac cctcagaaac tccctggcaa 120
ggatgttccc ctccccagat tgggccaggt ttcaccagca actgggtctc agactcagcc 180
ttatgccttt ccaactgacac cccccacccc tccacantct cgtgattcag accagggaa 240
ttctcgggct gattgtgtcc gtgtgtctga gggaggggca cgctggaacc tgggaacct 300
ctgggcacct ctaatgcaga tgagaaaaac ttgagaatgt gaaaggagat cagtccccgn 360
tcccaccgca aggtgcagag acgcgggaca ttaaccagca gnacgcgggg gtgaaggaa 420
tcagggaat ttctcccant gccagggg 448

```

```

<210> 354
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H48793

```

```

<220>
<221> unsure
<222> (1)..(346)
<223> n = a or c or g or t

```

```

<400> 354
gatttaggag attccaagt atacctttaa ttcactactc tatgtcctta ttaataaata 60
catattttaa aaaacctata caatatagtg tatttacagc atggaagagc agagactctg 120
aagccagact gcctgagttc aaatcctgac acttctactc aaatatgtgt gagtgacttt 180
gggcaattta ctactcttt ctgtgtttct atttactcgt ctacaacaat aatttctacc 240
tcatcaaatt aaattaaaaa aaaaacggct taaatagggt aacatttgta aataggctta 300
ggaaaacact acatttaaaa aaataancat tcctaacca ccttcc 346

```

```

<210> 355
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. H49440

```

```

<220>
<221> unsure
<222> (1)..(458)
<223> n = a or c or g or t

```

```

<400> 355
ggagttttcac catgttggcc aggctggtct caaactcctg acctcaggtg atccacctgc 60
ctcagcctcc caaagtgctg ggattacagg catgagtcac tgctcccagc cattagaaag 120
attgttaatc ctatgaactc cttttttagt gagagaaaagg gccaatctgt aggggtagcc 180
ctgtccaggt aaagttgttt tcagcctcat gtctactgtt aggtgaggga gtcacagcca 240
gacagagagt attgctggag ggtgagagaa ttgtggagac caactaccac atagcaagag 300
cccagctctt gggagcattg agatgtaagc tcagggttac acagttccaa atcttgggga 360
aggggctttt tcagacagac tgtttgcttt ctgctgagat taaggaattg catcantctg 420
ccagagtatt gactttttaa cagattatta aataaagg 458

```

<210> 356

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H52835

<220>

<221> unsure

<222> (1)..(446)

<223> n = a or c or g or t

```

<400> 356
cggataccct gggggcctct gtcctctctt ttgtggagac gtcgtttcac cggcggcgcg 60
tgaccccggc agctgtccag agaccagag atgtccaatc acaggcgcac ggtgcacagg 120
cgcgcagggc tgcctggaac gggcccaggc aggcagtgac cgggacctct ccggagggag 180
aggaacggtg ccctcccggg aggagctggc caggcaggcg ctgcccaggg cggccttccc 240
tgctggacta cggcattgcn actgagttat ataaagacac tatttgggga aggacagcgg 300
gtgaggactn ggcgcggcgg cacacgcttt gcctgttgtn ttcagctctt ctggggggcca 360
aggcagggag ttccagggtt tacagtgagc ctgatngcca attgctttcc aaaagagaga 420
aacagagaga aagggaatna ggcttc 446

```

<210> 357

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H54764

<220>

<221> unsure

<222> (1)..(386)

<223> n = a or c or g or t

```

<400> 357
gatggagttt cgtctttctt gcccaggctg gaggtgcaatg gtgcaatctc ggctcactgc 60
aacctccacc tcctgagttt gagattctcc tgcctcagcc tccactggg attacaggcg 120
ctgcccacca cgcccagcta attattgcat ttttagtaga gatgggggtt caccatgaaa 180
atttttatatt ttattaaaag agtgcattgag ttagtcattga aggcagagcc agggcggcct 240
gcataccaaa tgtgaaggaa cagtaccaat tgacaaagga aggcacaaaa ctaggacaaa 300
ggaaaaggga cttcaattaa ataaggtaat ttggaactaa ctggaaaatt gaggaggggg 360
aaatngcaaa taaaatnggg gaggca 386

```

<210> 358

<211> 384

<212> DNA

<213> Homo sapiens



<220>  
<223> Genbank Accession No. H56673

<220>  
<221> unsure  
<222> (1)..(384)  
<223> n = a or c or g or t

<400> 358  
gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggccatgg cttgttggca 60  
gtagtagggg ccctatggct atttccaggt atgggtggcc ctttttcctt gggtatctgg 120  
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc ctttaataac tacacccac 180  
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240  
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcacttgagg tctcagggtcc 300  
caccatgtat ggaggccgtg tggaccttgg ggggtgaggtt actaggcctc cccgggggttt 360  
caaattcttct tcacctgtaa aatg 384

<210> 359  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H58873

<220>  
<221> unsure  
<222> (1)..(440)  
<223> n = a or c or g or t

<400> 359  
actataactt agtgtctgta tttaatatgt acaacccaaa atatatan tttntttgca 60  
tctatacaca acagggcagg agtctccatg tnttcttgag cagtgagttt gcaggctccc 120  
acaggccctc ttctcatggg aatagtgtgg ccctagtgcg aaggagacta gaaccgggca 180  
gccagactg gcccttcccc tctcctccct gcactccagt gcttcccaac tgggtctcagg 240  
taaagaaaagn ttantttgag tggttgggta ggaagagatg ggaaggggca aatcctaagt 300  
ggagcctgac ccctagagtg gggagtcca gggccagcag aacgggtggg ccatagccct 360  
ncctggggnt agaagctttg tagttcatag ttcgattagt ntgtccntag ggcattnagg 420  
nccagcccta cagattagct 440

<210> 360  
<211> 284  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. H60595

<400> 360  
aagacagagt ggactgttac aaatgatttt gcaaaatata aaaatagata tacttccact 60  
gaatgcttta atcatttttc cgggcactct catcttttgg ttcttctca tctgagtaca 120  
cagtgggctc ctccccctcc ttcagcagtt tgcccacgtg atgatacttg aaagtgaact 180  
gagactccca gtcactcaga gtctcctgct gggcgagtg aggtcagaaa ggtcatcgta 240  
ctcatccttc agtgcttctt tatccgggga aaatgtgggc aagg 284

<210> 361  
<211> 317  
<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. H61295

<400> 361

```
gaaccctcta agggacctca aaggtgattg tgccaggctc tgcgcctgcc ccacaccctc 60
ccttaccctc ctccagacca ttcaggacac agggaaatca gggttacaaa tcttcttgat 120
ccacttctct caggatcccc tctcttctca cccttctcct caacttccct cagtcccaac 180
tccttttccc tatttccttc tctcctgtc tttaaagcct gcctcttcca ggaagacccc 240
cctattgctg ctggggctcc ccatttgctt actttgcatt tgtgcccact ctccaccctc 300
gctcccttga gctgaaa                                     317
```

<210> 362

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H64493

<220>

<221> unsure

<222> (1)..(370)

<223> n = a or c or g or t

<400> 362

```
gggtgcttta tttccatgct gggcgcccg ggaagtatgta cacgggggtac gtgccaagca 60
tctcgcgcgc accccgagag cccggggagc gggngcttgc cggccgtcgc actcatttac 120
ccggagacag ggagaggctc ttctgcgtga agcggttggt cagagcctca tgcatacagg 180
agcatgagaa gatgttcccc tgctgccacc tgctcttggt cacggtgagc ttgctgtaga 240
ggaagaagga gccgtcggag tncagcatgg ggaggcntgg gtnttgtagt tnttctccgg 300
ctgcccgtg ctttcccant ccacgggcga tgctgcgtggg ggtagaagcc tttgaacagg 360
gaagtcaggc                                     370
```

<210> 363

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H66642

<220>

<221> unsure

<222> (1)..(460)

<223> n = a or c or g or t

<400> 363

```
ttaaagacag agtttcgctc ttgttgccca ggctgtagtg caatggcgcg atattggctc 60
actgcaaccc ctgcctccca ggttcaagt atttctctgc ctcaccaagt agctgtgatt 120
acaggtagcc gccaccatgg ccagctaatt ttttctattt ttagtagagc cgggggtttca 180
ccatgttggc caggctggc tcgaactcct gatctcagg gatccacctg tcttggcctc 240
ccgtgctggg attataggca tgagccacca cgtccggcca aattttactt cttaaaagt 300
cttttctctc agtgatatca aggtcttctg tctactatta taaccataag cttcttttag 360
cattaaggag ggaaaatgtt taataaaaatg taattaaact gggatggaat ggtcagtgt 420
tttaaatgta aatatactta aatgtaatta ccggggnggt                                     460
```

<210> 364

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H68097

<220>

<221> unsure

<222> (1) .. (291)

<223> n = a or c or g or t

<400> 364

```
tgaagtttat ttncctctggc agtatgtttt agtttcttgt ttttnatttt gttgtgtgtg 60
tatgtgttgt agattttatg atttgagggt accatgaggc ttgcaaataa cataacatgt 120
tattttaaag tgacaacttg acactgattg caaaaacaaa cagggcgaag agaactaata 180
aaaactgtac actttaactt cattcctcct gttttttnaag gtttttatgg gtttctattt 240
atatctcctt gtactatattt gaaaagggnn ttgcagggtta tcatttggtc a 291
```

<210> 365

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H77597

<220>

<221> unsure

<222> (1) .. (317)

<223> n = a or c or g or t

<400> 365

```
tcaagtctaa gtgtttaatt attattcaca tatttcacag aaaaaaagga atgtagcaaa 60
tgagtcggag ttgtagaaaa aaaaaatcct ggnttttacg tgtcattctg ttttcatctg 120
acagcagggc tgtcccgaca tcaggcacag cagctgcact tctctgacgc ccctttgcag 180
atgcagccct gggcacactt gggcacagcc caggggnaaa caggagcagc agcctggggg 240
aaaaagggag agagaaggtc acaggcagac ttnaccaggg ganctccctt tcccaacagc 300
aggcctgggc tcaagct 317
```

<210> 366

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. H81070

<220>

<221> unsure

<222> (1) .. (340)

<223> n = a or c or g or t

<400> 366

```
caggtctaaa gtgtttaatt atcactcaca tatttcacag gaaaaggaat gtagcaaatg 60
ggtcaagggtg gtataaaaaa aaaatccagg tttgtacatg tctctctgtt tacatctggg 120
agaaagggtg tcctgggcat cagtcgcagc agctgcactt ctctgacgcc cctttgcaaa 180
cacagccctg gggcacactt gctacagccc acgggnagnc agggagcagg cagctctttc 240
ttgcaggagg gtgcatttgc ctctttgcac ttgcgggaac cagcgcggtg cagggaggac 300
accagcggcg cagggagcag ttgggggggc cattngcaag 340
```

<210> 367

<211> 330

<212> DNA

<213> Homo sapiens

```

<220>
<223> Genbank Accession No. H81379

<220>
<221> unsure
<222> (1)..(330)
<223> n = a or c or g or t

<400> 367
ttaanntttt ttaaaaccaa aagaacaact ttaataagct tttacggcac tgcaattaca 60
ggaacatcga ccataacat gcaacaaaaa tgattttgcc ttttggacat atttaacaga 120
taaacttgac attacaagta acagcaacac attcccattc tactgaagaa aacaaatgcg 180
atttaacttt cagggttagaa aacgtatctt cttactgcaa tctcaagtng gcatttngaa 240
agtttagttt tcccttttct aacctctaaa agatgatatg atttttaatg caatcataca 300
caactgtttt cacattgggg aatantcacg 330

<210> 368
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H81413

<220>
<221> unsure
<222> (1)..(419)
<223> n = a or c or g or t

<400> 368
ngagccagaa aaggattttt tttaattcaa gtaactgaaa taggaaacca gaggggggagc 60
cccaggctgg gataaatcat ggctaccctt ccccaacaga acagggggag gaggtggccc 120
ctacacccat tatggtcgat tcgggcccc ttgctcactc tgctgcagca tcctagaggc 180
agggccccac cttccctggg actggggtag tcggtcaccc agcctgcatt gccccagccc 240
ctnttcccca caaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300
agggatgaac attgctcaaa ctcttttcaa aggggcacct gaccgcacag gggaggntgg 360
gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419

<210> 369
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H83380

<220>
<221> unsure
<222> (1)..(386)
<223> n = a or c or g or t

<400> 369
ttaattgcag aaaaatttat taaattggaa aatcttgctt ttttcaatgg cgctggcccc 60
gggtcagcgg cgattttctc tgcataaaga tgggctttgc gtttccgtag tgggcaccag 120
tggtggcctg attgtcagtc ttctccggc atttttaagg ccaggagacc gaagcgctgc 180
ttgtaggcga ataccctaca gagcggtttg gctttttaa ttactgttat tattttgggc 240
agagaacagt cggctctggg gcaccccgct ctcgctgcag aagaggctgc gagtccgagg 300
tggggtctct cggaaggtg aaattccttc tnggggntna gcgagccccg gccccgcgcg 360
gcagtcacag ggccccggtg ttgttg 386

<210> 370

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<211> 335  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. H84761  
  
 <220>  
 <221> unsure  
 <222> (1)..(335)  
 <223> n = a or c or g or t  
  
 <400> 370  
 cggcaacttta ttagtgggga aacncgcctt ggncctggcag agactgggat caacaggacc 60  
 ngcacccatc tcgaggnggt attttcngta agancaggng ttcnccctc gtaggttttag 120  
 aggaaacacc ctcatagatg aaaaccccc cgagacagca gcactgcaac tgccaagcag 180  
 ccggggtagg aggggcgccc taggcacagc tgggcccttg agacagcagg gcttcgatgt 240  
 caggctcgat gtcaatggtc tggaagcggc ggctgtacct gcgtaggggc acaccgtcag 300  
 ggaccaccca ggggactttc ttcaaagtgc cnggg 335  
  
 <210> 371  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. H86112  
  
 <220>  
 <221> unsure  
 <222> (1)..(178)  
 <223> n = a or c or g or t  
  
 <400> 371  
 gcttaatggg gccaaagggg caacacaaag cattgaaaac atcaactggct cacaaaacca 60  
 gtcaccttgt taccttctca gttgcatttg tttatttcac aaggcttcac tcacacataa 120  
 aancaagata ctantccaat tcangttcat aacgggtata anggtaanca tttgttgg 178  
  
 <210> 372  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. H88338  
  
 <400> 372  
 atgcatgttt aaacatttta tctagaactt gattacaaag taatttaatg aagaaaataa 60  
 tctgttataa ttcttataga tgtttattag tttttagatt taaaaaaaa acagggttta 120  
 taattaaagc aattgactaa tgatctcaca gcctcaaggc tgtatgcaaa cctagattag 180  
 aaatactttg gtctctaaaa ataacaaaat ggaccataac attttttttc ttacaagttt 240  
 gaagtgggtc aattatgggg gaaacacata cattcctaag gggaaat 287  
  
 <210> 373  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. H88798

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<220>
<221> unsure
<222> (1) .. (337)
<223> n = a or c or g or t

<400> 373
nactttaata agtataaagt atataaacia ttaggtaagc ttgtggagaa gctgaccaag 60
atacataaat taggaaatac aagtgtccat cttaaatttc tataattcat ttttttcata 120
atatttatta aagggtgttta atatacagtt tctcatctgt cattttggaa gtcctttatt 180
gtaaagacaa ttctattgtc tgatgacaaa cagcagccac catggttatt caggacctcc 240
acgttggata aattccattt cttcttgaga cacaagtffc cttctggtat ttctgaggta 300
atggnntttta ttatttctgg cagtgtctgg tggaccc 337

<210> 374
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H91703

<220>
<221> unsure
<222> (1) .. (321)
<223> n = a or c or g or t

<400> 374
ccataagaca agtgacatat ccaaccaacc atccatcccc acctgtgccc tattctttcc 60
ttgtgtttct ttagagcctt ttcagctatt tcctgtgaag caaactgcac gaaggcctcc 120
cccgtactcc tcccctggaa gtccaccggc aatgttatcc catttggcac gatttccaac 180
ccttcaaccc aaggacaaat aaccccagta gggggncaat attaacatca caagcccagn 240
aaatgattct tcttataggc tttaaataaa ccaggacttt ttaactttag ggtgaatggg 300
tatgctttca acaagtactc t 321

<210> 375
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H94471

<220>
<221> unsure
<222> (1) .. (395)
<223> n = a or c or g or t

<400> 375
tttgttactt ttacatgatc tttattattt aagaaaaacc tcttttaacc atttatataa 60
cagaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120
ccagggaatt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180
aacaagcagt ttcacttcag agacttcatt gcaggaaccc agtttcctta tgtggaaaaa 240
agtgattata aataacagtt atctgaaagg tggttgagag gattaaatga gatcacctat 300
gcaaacaaat acatgtaggt atgaaagacc atccgtcctg ggggtngtgg aaagtttaag 360
tttcccncc agaacccttc cttttaaggg cctta 395

<210> 376
<211> 373
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. H94475

<220>
<221> unsure
<222> (1) .. (373)
<223> n = a or c or g or t

<400> 376
tttttgccca ttcattcttt attcaggtgg cataaaaaatc actacaaaaa ccttacaaaa 60
gagccttaag gagctcatgg gatccttccc tgcctcgggt cctgagctcc cgggcagagg 120
agggagacag gagaggaagg aagggaaatg ctggcagtggt tgggatctcg aggagccgtg 180
ggaagtctgg cgtgacaagg cacagggggg aggatggagg ctgatggact ctcggcaggt 240
tagggcacag ccaaggctgt gccangacac gagttccacg cggggctgag gacaacgctt 300
cgccctccga gccaccacca gggcccgtct ctccccacc taagcctagg tgtcccggga 360
caagtccaaa ggc 373

<210> 377
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H95960

<220>
<221> unsure
<222> (1) .. (417)
<223> n = a or c or g or t

<400> 377
ttttattggt ttagtaatct taacataact taaaataaga gaggggaaat gacatctgga 60
gatctaggta tgtggcccat tgcaattgag cacatttctt gggctctgtt ctctatctct 120
aagggcagtc tcaaaacccc agctcaaaat acgacactaa catgatgaac atgcatgagc 180
tttgaaaagt gctctgtagt cttatgatga tctagaagag cactgtccaa tagaactttc 240
tgtgatgatg aaaagattct acttctgacc tattcaatag ggtaaccact aatcatgcat 300
ggctctcaag cacttgaaat gttgctagtg tgattgggga gctgcgtttt gaatgttaac 360
naatttanat tttaaatcnt taaaagttt acatgtgggt tagtgggncg ccgtacg 417

<210> 378
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H97538

<400> 378
atttttgtag ttttgggcaa aacattcact gttctgtttc agcatatttc cttggaacat 60
cttcatctct ttccattttg cggacactcc ccttcttcta ttctccttta ctcaaaacat 120
atggtttaga cccacatcat ggctttcttg tgggaagcct ggatgggact aggaaaacac 180
atgtttccaa catggtgcat atctgtttgt gcagatatca gacaagattt aatcttgtct 240
aacttatgcg tattgttttg atgtttgcct gtggttattc tgggcacagc aatggtggac 300
attattgaaa atgaacttta ttggcagatg aaagataata gaacatgaag atttatgaac 360
taccataagc tctgcatctc tgggtcttca tttccaaagc agcacttggg aaaccaagcc 420
cagtttcagg caaagagtt 439

<210> 379
<211> 440
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. H98835

<220>
<221> unsure
<222> (1)..(440)
<223> n = a or c or g or t

<400> 379
caagatcctg cctcccaagc ctataagctt taccaggaga gaggcaggcc ccacccaag 60
atccactatc cactctttga agaaagatta gagccatgtt ctcagacttt gggctgcatc 120
ctaataccctg cgaagtgcac aatgtgtgat gactccaccc tccacccgat ccagagggtc 180
tggggtgaga cccaaggctg agaggcctcg atggcttcct ggcccatct ccggcagcag 240
ctctatggct gggctctcct gcaggctggg tgcacccag gccctcagat ggttctaacc 300
agaatcgatg ggcagcagtg acttcgactg tatcatcaat cttggctgcc acaagggttg 360
gttgtccagg ccctcagctt ganccttggg ggtggggccc ccacacagag ctttgtctgc 420
ccccagccca ccctcattta                                     440

<210> 380
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H99035

<220>
<221> unsure
<222> (1)..(495)
<223> n = a or c or g or t

<400> 380
tgagcttttg acaaatttat tgaaacatac aggcggctgt tagcagagaa atcattccat 60
gattgatgtg ttacatttgg ccactacctt gaatgtataa tttaaaaatt atatttttca 120
caactaagcc tttgncaaaa aagtcattta gcacatcttt aaagatcaat aagaaatgga 180
ttttggacat taaaaagatc aagtcactga attaaacagt agcaaccccc attaatctag 240
aatcccatag tgctgaaggt agagggtgtc gtgcaaagct agtcatttgt taacagcaat 300
cagaaganga tgggggagcag cacacctgtc agagggtggc gcagactggc aggacaggac 360
ggctgggctg gtctggtcag gtgagcatgt cccagagaca gcagcaacag agagccgtcc 420
agcaggctgt gaggcaggtg gatggtccta gctcatctcc tccttgggtc ttctaccaca 480
tacactgtgg gnttt                                     495

<210> 381
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. H99648

<220>
<221> unsure
<222> (1)..(424)
<223> n = a or c or g or t

<400> 381
ggggtatata attttatttt aagtttatat ttcttcagc atagcaacat acatcttttc 60
ctacccagag gcaaaatata ttttccaaaa acgtggacac tgcccaactgc attaatgtaa 120
aagtgtctcc tatatatata gacagtaaaa gtaagcaaag aaacttaca cacttccaa 180
tctttaatat ctcaaaaatg tttccaaggc aacattatta aaataattat accacagtc 240

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ctaataataac atcaagctcc agtaggaagg tacagagagg gcaggaagtt tccatccagt 300
ctggttttagg tgctcttctt ttcttcaccc agtaaattca cggtagcttt cttcgcttct 360
ttagtgatgg catctgcagt ccccttggcc ntgtctttaa gggccctga ccacactgg 420
ccat 424

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<210> 382
<211> 438
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. H99694

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<220>
<221> unsure
<222> (1)..(438)
<223> n = a or c or g or t

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<400> 382
attnat atgtatat ttattatgtc acaaataagct acatactgga taagccagaa 60
agatgaggaa acatgtttgc atctcacact agtgcagaga ttctgaaaaa gacccactt 120
ggaataccaa accacacatt agattgttct gttcccaatt gtgtgccaaa gtgactctg 180
aactgttttg gtaaagccga ccgtggagtc atatgaggct gaataacttg ggagaatgta 240
agtctgcaaa ataaacctag gactggattg atcctcaggc cacttggcag gtgaatgtct 300
cgaggagtga tatgagacaa gcttcctgaa aaggcttata tgacttaaaag aactttttgt 360
ttaagtgttt ggtcccaa ataaactattaa gatatatataa gtaattcact gctcaaaaat 420
taccgtcaga taaatatn 438

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<210> 383
<211> 749
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. J00073

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<400> 383
taggtaagt gagaggttcc attttaataa tagaatatat ctttaataat ataaatgatg 60
aaatagagg gagttcatat aacttgattg gccatattat ttcgtggtat gacatatccc 120
acattatagc gaattaatat ctaatggttt ttctgtgaat cctcccaatg tgttatttgc 180
tcccttgctt ggaacttcag agttcactgg aagtttttgt tttcttctgc agattattgc 240
tccccctgag cgtaaatact ctgtctggat tgggggctcc atcttggcct ctctgtccac 300
cttcacagcaa atgtggatta gcaagcaaga gtacgatgag gcaggcccat ccattgtcca 360
ccgcaaatgc ttctaagatg ctttctctct ccactacact tccagtcagg atgacgggat 420
tatgtctctt ggagtctccc aaaccacctt ccctcatctt tcatcaatca ttgtacagtt 480
tgtttacaca cgtgcaattt gtttgtgctt ctaatattta ttgctttata aataaaccag 540
actaggactt gcaacctata aaagcctctc gtttgttttt ggggtaggcg tgggggtgggg 600
caggtgtttg ctttgacacc ctgagcattg tcaaagttca gtagcacaay gttcatccag 660
atgaattaat atgacagtta gcrgggagtt ataatgctaa ctttgattca tatttgagaca 720
gaatcatgaa tatattcata tccgaagcg 749

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<210> 384
<211> 1056
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. J00123

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<400> 384
ttctttttat cattacatca aattgttttc ccaggcttgc gtaatggaat gtgaaggtaa 60

```

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actgccttct ctgaaaattt gggaaacctg caaggagctc ctgcagctgt ccaaaccaga 120
gcttcctcaa gatggcacca gcaccctcag agaaaatagc aaaccggaag aaagccattt 180
gctagccaaa aggtatgggg gcttcatgaa aaggtatgga ggcttcatga agaaaatgga 240
tgagctttat cccatggagc cagaagaaga ggccaatgga agtgagatcc tcgccaagcg 300
gtatgggggc ttcatagaaga aggatgcaga ggaggacgac tcgctggcca attcctcaga 360
cctgctaaaa gagcttctgg aaacagggga caaccgagag cgtagccacc accaggatgg 420
cagtataat gaggaagaag tgagcaagag atatgggggc ttcatagagag gcttaaagag 480
aagcccccaa ctggaagatg aagccaaaga gctgcagaag cgatatgggg gcttcatgag 540
aagagtaggt cgccagagt ggtggatgga ctaccagaaa cggataggag gtttcctgaa 600
gcgctttgcc gaggtctctg cctccgacga agaaggcgaa agttactcca aagaagttcc 660
tgaaatggaa aaaagatacg gaggatttat gagattttta tatcttttcc cactagtggc 720
ccccaggccc cagcaagcct ccctccatcc tccagtggga aactgttgat ggtgttttat 780
tgtcatgtgt tgcttgccct gtatagttga cttcattgtc tggataacta tacaacctga 840
aaactgtcat ttcaggttct gtgctctttt tggagtcttt aagctcagta ttagtctatt 900
gcagctatct cgtttttcat gctaaaaata gttttttgtt atcttgtctc ttattttttg 960
acaaacatcc aataaatgct tacttgtata tagagataat aaacctatta cccaagtgc 1020
ataatatcct tgtaagtctc tttttctcca aggtc 1056

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```

<210> 385
<211> 1089
<212> DNA
<213> Homo sapiens

```

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<220>
<223> Genbank Accession No. J00231

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<220>
<221> unsure
<222> (1)..(1089)
<223> n = a or c or g or t

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<400> 385
cctggacctc ctgtgcaaga acatgaaaca nctgtggttc ttccttctcc tgggtggcagc 60
tcccagatgg gtcctgtccc aggtgcacct gcaggagtcg ggcccaggac tggggaagcc 120
tccagagctc aaaaccccac ttggtgacac aactcacaca tgcccacggt gccagagacc 180
caaatcttgt gacacacctc ccccggtgcc acggtgccc gagcccaaat cttgtgacac 240
acctccccca tgcccacggt gccagagacc caaatcttgt gacacacctc ccccggtgcc 300
nnngtgccca gcacctgaac tcttgggagg accgtcagtc ttcctcttcc ccccaaaacc 360
caaggatacc cttatgattt cccggacccc tgaggtcacg tgcgtgggtg tggacgtgag 420
ccacgaagac ccnnnngtcc agttcaagtg gtacgtggac ggcgtggagg tgcataatgc 480
caagacaaaag ctgcgggagg agcagtacaa ggagtacaag tgcaaggctc ccaacaaagc 540
cgtcctgcac caggactggc tgaacggcaa ggagtacaag tgcaaggctc ccaacaaagc 600
cctcccagcc cccatcgaga aaaccatctc caaagccaaa ggacagcccn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnngagga gatgaccaag aaccaagtca gcctgacctg 720
cctggtcaaa ggcttctacc ccagcgacat cgccgtggag tgggagagca atgggcagcc 780
ggagaacaac tacaacacca cgctcccat gctggactcc gacggctcct tcttctctta 840
cagcaagctc accgtggaca agagcagggtg gcagcagggg aacatcttct catgctccgt 900
gatgcatgag gctctgcaca accgctacac gcagaagagc ctctccctgt ctccgggtaa 960
atgagtgcc tggccggcaa gccccgctc cccgggtctc cggggtcgag cgaggatgct 1020
tggcacgtac cccgtgtaca tacttcccag gcaccagca tggaaataaa gcaccagcg 1080
ctgccctgg 1089

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<210> 386
<211> 2133
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. J03040

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<400> 386

```

cgaggagagcg	cgctctgcct	gccgcctgcc	tgctgccac	tgagggttcc	cagcaccatg	60
agggcctgga	tcttctttct	cctttgcctg	gccgggaggg	ccttggcagc	ccctcagcaa	120
gaagccctgc	ctgatgagac	agaggtggtg	gaagaaactg	tggcagaggt	gactgaggta	180
tctgtgggag	ctaactcctgt	ccaggtggaa	gtaggagaat	ttgatgatgg	tgacagggaa	240
accgaagagg	aggtggtggc	ggaaaatccc	tgccaagaacc	accactgcaa	acacggcaag	300
gtgtgcgagc	tggatgagaa	caacaccccc	atgtgcgtgt	gccaggaccc	caccagctgc	360
ccagccccc	ttggcgagtt	tgagaaggtg	tgacgcaatg	acaacaagac	cttcgactct	420
tcttgccact	tctttgccac	aaagtgcacc	ctggagggca	ccaagaaggg	ccacaagctc	480
cacctggact	acatcgggcc	ttgcaaatac	atccccctt	gcctggactc	tgagctgacc	540
gaattccccc	tgcgcatgcg	ggactggctc	aagaacgtcc	tggtcaccct	gtatgagagg	600
gatgaggaca	acaaccttct	gactgagaag	cagaagctgc	gggtgaagaa	gatccatgag	660
aatgagaagc	gcctggaggc	aggagaccac	cccgtggagc	tgctggcccc	ggacttcgag	720
aagaactata	acatgtacat	cttccttgta	cactggcagt	tcggccagct	ggaccagcac	780
ccatttgacg	ggtacctctc	ccacaccgag	ctggctccac	tgctgtctcc	cctcatcccc	840
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gccctggatg	agtgggcccg	ctgcttcggc	atcaagcaga	aggatatcga	caaggatctt	960
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catagattta	agtgaataca	ttaacggtgc	taaaaatgaa	aattctaacc	caagacatga	1140
cattcttagc	tgtaacttaa	ctattaaggc	cttttccaca	cgcattaata	gtcccatttt	1200
tctcttgcca	ttttagctt	tgcccattgt	cttattggca	catgggtgga	cacggatctg	1260
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aactaatact	taccgagtc	gactttgtgt	tcatttcatt	tcagggtctt	ggctgcctgt	1380
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agaacgtggt	ttgcctgagg	ctgtaactga	gagaaagatt	ctggggctgt	cttatgaaaa	1560
tatagacatt	ctcacataag	cccagttcat	caccatttcc	tcctttacct	ttcagtgcag	1620
tttcttttca	cattaggctg	ttggttcaaa	cttttgggag	cacggactgt	cagttctctg	1680
ggaagtggtc	agcgcatacct	gcagggcttc	tcctcctctg	tcttttggag	aaccagggct	1740
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<213> Homo sapiens

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<223> Genbank Accession No. L04270

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<213> Homo sapiens

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<213> Homo sapiens

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<211> 1493

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M18737

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M19045

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<211> 980

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M19309

<400> 413

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. M20543

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<211> 961

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M20642

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 <211> 1160  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<210> 417  
 <211> 676  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. M21494

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 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. M21665

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1688

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<210> 419
<211> 229
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. M22406

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caccaccggg cacacagacc ccaacaacga caccatcag caccaccacc acggtgaccc 180
caaccccaac acccaccggc acacagaccc caagatcgac acccatcac 229

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<210> 420
<211> 1568
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. M24069

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accaccacca cctcccgca ggctccgacg gaggcggccg ccgcggctcc ccaggacccc 300
gcgccaaga gcccggtggg cagcggtgcg cccagggccg cggccccggc gcccgccgac 360

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<211> 565

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M26311

<400> 421

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tcatggtggc	cacggccaca	ggccactaat	caggaggcca	ggccaccctg	cctctaccca	480
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<210> 422

<211> 213

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M28590

<400> 422

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agcatcggtc	actgctgggtg	tgtcttcccc	aacggcacgg	aggtccccaa	caccagaagc	180
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<210> 423

<211> 1045

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M29645

<400> 423

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<210> 424

<211> 1586

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M30894

<400> 424

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<220>  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. M33493

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<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. M33653

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1056

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<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. M34338

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cgccgccatc cgcgagggtt ggtccgcga gacctgcagc ctgtggcccc gccaggccct 180

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<211> 468

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M34516

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<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M34996

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<212> DNA
<213> Homo sapiens

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<220>
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<212> DNA
<213> Homo sapiens

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<220>
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<212> DNA  
<213> Homo sapiens

<220>

<223> Genbank Accession No. M57466

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<223> Genbank Accession No. M62831

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<213> Homo sapiens

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<212> DNA

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<210> 447

<211> 1746

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M92843

<400> 447

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<210> 448

<211> 2075

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M92934

<400> 448

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<210> 449

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M94880

<400> 449

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<210> 450

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. M98539

<400> 450

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<210> 451

<211> 2653  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. M99487

<400> 451

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2653

<210> 452

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N22006

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ctatcttcaa agtgctccaa tactaacact ataagccctt tcttttgctc taacatctaa 240
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a 301

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<210> 453
<211> 450
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<223> n = a or c or g or t

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<210> 454
<211> 368
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. N23352

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<220>
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<222> (1) .. (368)
<223> n = a or c or g or t

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gggaactt 368

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<210> 455
<211> 375
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. N23730

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<220>
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<222> (1)..(375)
<223> n = a or c or g or t

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atctctatct accagaaaat aaagtcgtat cttttcttag tataatattg gtcattttcta 360
atcagaacac actat 375

<210> 456
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N24761

<220>
<221> unsure
<222> (1)..(469)
<223> n = a or c or g or t

<400> 456
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gcctgatatc atacaggcac aatctgtcat tccacgagat aactggaaaa gtctccaaag 180
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gctgagccgg ctgggtacag gcttgtcagg gagaggcact gggctgtaat gtggccacaa 360
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<210> 457
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N24899

<400> 457
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aactttatgc tttagttaca atgttcaacc ccttctaata cttttcattt aaaaaagtac 240
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<210> 458
<211> 441
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. N24902

<220>
<221> unsure
<222> (1)..(441)
<223> n = a or c or g or t

<400> 458
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<210> 459
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N26713

<220>
<221> unsure
<222> (1)..(466)
<223> n = a or c or g or t

<400> 459
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<210> 460
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N26801

<220>
<221> unsure
<222> (1)..(221)
<223> n = a or c or g or t

<400> 460
tttttttttc ttgatgcaaa tgtttttatt tgccacttaa actacagttt ccctgtgcta 60
tcn gatggt gtgggggtgt ggaacaggct gctggaacca tgggtttacag tagtagcagg 120
tagatgatta gtagcatgag tggtgaaatg ctgcatctaa gtgcctgtca ctttgctccc 180
aggggaatat catgcagccc aggaatagtg ttagactggg a 221

<210> 461

```



<211> 445  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <223> Genbank Accession No. N26904

<220>  
 <221> unsure  
 <222> (1)..(445)  
 <223> n = a or c or g or t

<400> 461  
 aagtttttta aaatttatta tttattatatt cttttttgctc ttgttttcgtt tctcttcctt 60  
 gagcttcttt ttggagactt tgggtctatt ggcctttctg tataggtgat acccaatgag 120  
 gccaggagg ntcggcacca tggccatccc taccagaggc aaaatgccct tcaccagctt 180  
 tanccagtag ttggctcgga ttagtgcaat cagctccacg tcatactgca ccaactgcac 240  
 cgctgggaca gatggtggaa atccccgttt tccataggcc aagtgagaag gaatgattgc 300  
 ccttcgcttc tctccacac acatgtcgag aagactctgc tccagacctg gaatcacctg 360  
 cttttggcca agttctataa ccagagggtc tctggtccag ggaggtgtca ataatacgtc 420  
 catctaccaa gcttcccgtag tagtg 445

<210> 462  
 <211> 438  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N29568

<400> 462  
 ctttatcggt atttgtttgt ttctgttctt tatcttttcc attctctgtc ttctgctctt 60  
 ctatagacct ctttgtatag gctgctcctc ctgaagcagc actctcctcc ttctgagatg 120  
 agccatatgt ggagccagtg gatggtggac tcttaccac agggctcttt ttggatggac 180  
 tcagggaccc agaaccatgg tcgaactgac cttggtgtgt cccagactga taccgggcac 240  
 cactcggcag agttgagccc atctgggatg tgctggaaaag tggaggacta ggttttggca 300  
 cggggctagg acggggtgac cgccgcctca ccaccacaga ctggggagggg gcttttgaga 360  
 gctgggcttc gctcccgagg actcagctca gaaactgctg agggccgtga tgcagaacca 420  
 gtgccgtagg tggcatca 438

<210> 463  
 <211> 497  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. N30198

<400> 463  
 tatttttcat gaaatgattt attactttta gaaaacagta taaacttaca aactataaat 60  
 taagatatata gtatatttct gccaaagtaa gtcaagaaaa atgcacttca gaatcagctt 120  
 ttattacagg caatgtattg taaactcgaa catccagaat ctgagttaca cttattattt 180  
 ttaacatttt actcaataaa aatctgatat actgggtcca agtgatgaca cattccaaat 240  
 taatgtaact ttcttgcagc ttaaataaac aaatttagat caccaagtga aatcaaagcc 300  
 aagtgtattt gcacaactca agaattgatg gaatggatta gaatctctca tagtgcatac 360  
 ttccgcatat atacacaaac tttgagagtc ttctgagtga catggatttt aactttgttt 420  
 ccaagggcca aataactaaa tgtatagaat atcctactct atactcacta ttaaattgtca 480  
 tggactaggg aaatctg 497

<210> 464  
 <211> 585

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N30856

<220>  
<221> unsure  
<222> (1)..(585)  
<223> n = a or c or g or t

<400> 464  
gattaaaaag agaaaatata ctgtaaaata tttattttaat aaaaataatt ttataatcta 60  
tacagaattg aataaaaagt acaacaaatt attttcactt atttacaaaa ctgcatacag 120  
tacaacttgc acattgagtt cagcattcta taaatatggc cacataccaa gatgtgaaca 180  
tattcttgtc ttatataaga aaaggctcag gttgtatgcc acaaactttg aattaaattc 240  
cagggaaata ttgcttttgt aacatgaaca atttgtacca cattccatta aaaaaagatt 300  
taataaaatc cctcaaacag cacttttcta ctgttttcgg agtacacaat tcccaaatta 360  
gcacaaacaa aacaaagcaa aaaaagaaaa acagacagaa tgtaaaatgn aggttgctac 420  
ttttatgata tcacttcctt ttccttcctt tagctagtgg tcctttccct tcccctaata 480  
gtaagggtgg gngaattgaa atggcctatt cctatcccca tccatttgcc tccaggatcc 540  
ctgcttaacc naatgnggta tggctcgnctt ggccacctgn cacc 585

<210> 465  
<211> 579  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N32748

<220>  
<221> unsure  
<222> (1)..(579)  
<223> n = a or c or g or t

<400> 465  
cagcagaaga gtgacctgat tttattcacc ttttattgga aatctgtggg acagaactag 60  
gcaatgaggg tgctacaata ataaagggtga gtgttggcag tggcttgacc agagcagaag 120  
tggaatgaa acagttggat tctgtttgtt ttcaaagaag agctcataga acttactgat 180  
ggnttgttat gtaggatgtg aaagaaaacc acagaaatga ctccaactaa aacagtaaaa 240  
tgccattcac taatttcaag atgatgagag aagctgtttt gcagagataa tgaaagaaat 300  
tctgtttgaa gcctatttaa gtttgaagt catattaatt ggactttcaa gttgagatgt 360  
caagtaagta gcagggtctc tgagtatgga atacnaggct gtgggcnagt gacttancgt 420  
ctgcaacatc cacatatagg cagcatcncc atagcaacaa acatccngtt ccaaataatc 480  
cgcngattt tcntcctcca cgtccatctt cctcagagtc catcaggggc cnccagnact 540  
ggcnaatcca cncatgngcc cgttacctcc ttctcngca 579

<210> 466  
<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N33927

<220>  
<221> unsure  
<222> (1)..(355)  
<223> n = a or c or g or t

```

<400> 466
acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60
cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120
tctgtaacag aagtaaattc tgtttttatg ttataaaact caaaaagtaa catgaagtgc 180
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240
caggatgaag ttggatttgg gtgggatcca cacagggtcat tttcaggcaa gatgagactt 300
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

```

```

<210> 467
<211> 455
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N34817

```

```

<220>
<221> unsure
<222> (1)..(455)
<223> n = a or c or g or t

```

```

<400> 467
aacagggatt tatagcagct ttattcaaaa taactaaaat ttggaagcaa ccaagatgcc 60
cttcagtaag tgaatggata aactatggta cacacaatag aacataattc agcactaaaa 120
agaaatgggc tatcttgtcc tcaaaagatg aggaaactta aaagcatatt actaagtaaa 180
agaaggcagt ctgaaaaggc tacttactat ataactgcaa ctatgtaaca tgcgaaatga 240
tggagatggt ttgcagggtt aaggggatga tatgtaataa acaggaagag cagggatgac 300
ttttagaaca aagtgttctg tgaggtacta taaggctggg atacatgtca ttatacattt 360
actccaaacc cataagcatg taaaaccncc aagagttaac ccctaattgt aaacctatgg 420
gcccttggga ccacctatgg atggcnccaa tggta 455

```

```

<210> 468
<211> 412
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N36001

```

```

<220>
<221> unsure
<222> (1)..(412)
<223> n = a or c or g or t

```

```

<400> 468
attagtgaat tagtttattt aaaaccatca gtttttccaa tgtgaatgga ctggttcata 60
tcacaccata tttagagata caaggtgatt ataactaacg tgtctacaag acatactggg 120
tcaacaatg tgatcaatcc aaagggtatc tttttaaaaa gaatttaagt actcagctgc 180
aaagataagt tcaactaatga gattttcttt tttttttttt taaaaaaaaa aggttttttaa 240
tgagtcaaat ttattacaaa aacttagtgt gtaatcaaag ccaaatacat tcctcaggca 300
tgccagcgga acgcaaaata atgttaatag aatgttatta aaaaaataaaa ctttttctga 360
atgatataata taanacctca tggcacatta tcctcatttg gacaacngga aa 412

```

```

<210> 469
<211> 430
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N39415

```

<400> 469  
cagagaataa cattttat ttttggaaag ttttcctaaa tatgagacta tctgctat ttt 60  
ctcagactaa gtgaaaaatt taataaaaata gctgccttga taggaggaaa acaaagt tct 120  
tactttataa ggaataacgt atgaatcata aaagaagaat gagcgatcat gggaaacatt 180  
tagctttttca aagtttttgg aacatgtacc ttaaatgctt ttgggatcca gttaaaggcca 240  
ggaaaggcaa agagttgaaa gtttcttggg tttatcctcg tacttacatc attagtaata 300  
ggaataatgc atctcaaatt tggggcattt atataaaaac atgattttta aatggtagtc 360  
tagtataaac taggattttg taatgctgtt taaatatttt catattactt tgtttcgaac 420  
gtagacattc 430

<210> 470  
<211> 443  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N40141

<400> 470  
gctgactcaa gttcttcagt tcacgatctt ctagttgcag cgatgagtgc acgagtgaga 60  
tcaagatcca gaggaagagg agatggctcag gaggcctccg atgtgggtgc attcgtggct 120  
cccgggtgaat ctcagcaaga ggaaccacca actgacaatc aggatattga acctggacaa 180  
gagagagaag gaacacctcc gatcgaagaa cgtaaagtag aagggtgattg ccaggaaatg 240  
gatctggaaa agactcggag tgagcgtgga gatggctctg atgtaaaaga gaagactcca 300  
cctaataccta agcatgctaa gactaaaaga gcaggagatg ggcagccata agttaaaaag 360  
aagacaagct gaagctacac acatggctga tgtcacattg aaaatgtgac ttgaaaattt 420  
tgaaaattct ctccaataaa gtt 443

<210> 471  
<211> 513  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N47686

<220>  
<221> unsure  
<222> (1)..(513)  
<223> n = a or c or g or t

<400> 471  
gggtttatgg ggtttaattt ttaatactgt taacatcatc gagccagcta aacaccaaga 60  
atatcaataa atactaatag tttgttttca cttcctcctt ctgttggagc actttgactt 120  
tatatacatt ccagtcttag tgccaaggcc ccattgggtt tcaaattcca taccagagca 180  
catcacctgg atgtgactct catatgctca aggatattcc tggagttgaa aggaaatata 240  
aaatgagcat aagaacagat tacagacgcg tcagtatgaa agttgatact cgtgaaaaac 300  
agcagtttgc tgagaccctg gaagtttagct ggagcagtca ggcagaaatg actcgtgacc 360  
atggctgcaa atggggcttg ttctcacaaa gggctttcca ccattctttt cttgggcttg 420  
caggtagaag atgcgggttt cttcaggata agtaacttta ctgaggggca tctttagat 480  
gttgaattt tttgtggtca tgatgaggaa cnt 513

<210> 472  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. N48056

<400> 472

```

atataatatt caacttttatt tcaaatatac caatttttaaa atttatcaat ataccatta 60
cgattctttc tgagtgcacat accacacaaa ttcaatacgg attctctaaa gaatcctctt 120
aggctacttc actcaaagtc tctgcagctg cctgcactgt gaaggctgca acataaatct 180
gtctcttcac ttctccccag gccttggaag ggtccacttt gctttcaata tcaaacagag 240
catcataaat tcctgggaat gactcccctg cataacttgt gtggctgctt ggagcataga 300
tgacatgcct ataaaaaggc ctgtctggta accctaattg atcaataaat gctctttcca 360
gaaacatgag ttgatcattc atcattctta atactattgg gttgcttttg gtcaaagtc 420
tgagagtctc cactgaactt gg

```

```

<210> 473
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N49899

```

```

<400> 473
ttccaacaac atttggttta taaaggaata caaacaggca caaaacatgg ttcagaagat 60
ttattaagta aacttgctaa aatatggaca gatacactta gcagtcaaac agttgaatat 120
taattgctac ctcatataag tttttgtatc tgtattacca ggtccaaaca taaaaaccac 180
ctctgttcaa aaaataaatg ttcagagagc tgtatgttct ttgttcttgt atgtacattt 240
taaaaaaaca cctctttcca gtcttgctaa ccaagaatat tagtcatata aaagaactta 300
gaattttttt ccccaagtac aagctatctt ttggctccaa aacagttctg aagggttttat 360
ttatatttta tcttatcccg agggaccaac agcagggcat acctttggcc aggccttctt 420
ggcagaaaga cacagagccg taaagggaaa aaataaaatt gccataaagg tatag 475

```

```

<210> 474
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N51529

```

```

<220>
<221> unsure
<222> (1)..(474)
<223> n = a or c or g or t

```

```

<400> 474
gcaaaaaata aatataaaat ttattaaaac acccacaata ttttaaagat accaggagta 60
atacagttca caaaccagat tgtttggtga aattataata aaatacaaat caaaaaggat 120
acatacttgc aatttctagg caccctaaat taaatttact gaaacactga gggagaaggg 180
agggtaagga ggggtagctc aggaggcaaa ccaataaagt ggaaggaaaa aatattaaca 240
aaaaggtaaa aattatacaa aataaaatta tcagcgtaaa tttactgtac taagaatatc 300
tacagtttaa tacacatcct attgcccttg agacatttgc aaaaatctac cattcatcca 360
tcaacccag attaaacttc attttcaagt agccccagtt ttaccaagtc nagacnggaa 420
tatttccagt atgggttggt aagttcacct ccantgggag gccagttac ccaa 474

```

```

<210> 475
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N52254

```

```

<220>
<221> unsure
<222> (1)..(507)

```

<223> n = a or c or g or t

<400> 475

```
tttctattaa tctttattta tatgatgggt ctctggaaag cacttcattt taaaacctgt 60
ttctgagata agtagcataa ggcgcatctt aagaaatact attgttgat cacagagaac 120
ttccatgcct tgaaatcatt tttttcagag tattattaat aagatgggtc agctatgcag 180
agcaaaaaag aaaaaaatc ttcaaaagcc aagactgtca ggcacatgaa ggtatgcata 240
aactgtcttc acatttaatt ttgtatgatt cgggagatac ctccatgtac atctaaccag 300
gtcaggcagc ataagtcctc agtaaccctg ggggtgtgccg gcttcaagcc aaagtattct 360
gttgagtttg gtttgtggag agacatttga aatgttgctt catagcttcc attttctgga 420
gaagtggaag aaatgaagcg tnaaaaggcc taggaaatcc tcgtcttctc caggctcttc 480
ttctccttct gcagnttctt cctcctc 507
```

<210> 476

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53359

<400> 476

```
catctaaaag tgggtttttta atatatatat tttttccaaa ggaagaaatt tcttgctttt 60
actcagggaa aaaaaaaaaa ttaaggtaca tttagtaga atgatttcat ctaaaagagt 120
tctttcagga gacatctgtg attcactgca ttgtttttat tttctt 166
```

<210> 477

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N53447

<400> 477

```
gtatagagta aaatttatta tagggttgta gaattcatac aacctaaact ccttacagca 60
ttcagcacct acacaatttt gtgcattcca aatacagata gtagtgagaa agaactactg 120
cattagttaa aaatgactgt ctcataaaaa ttctgttaca tataagttag gtttaattaca 180
gagcacctaa cagaactgca aagatgtaatt ttctaaattc aagaaagtgt tacaaaaatga 240
aaaacaaaag aaaccaacaa tgttgagatc tgatatattt tacacaaaaa gttcaaaaac 300
aattttaaatt atttcaaatt ttaaaattgc tccaccataa gatgaataaa gagcttactt 360
aaaggaaaag aaaaaaggaa
```

<210> 478

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N55502

<400> 478

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ctgtgaataa aacttttaatt aatgtacagc agaaattgga caggctcatt cttatatataa 60
aacaaaagat ttcttatatt acaatttatt tacatttgca tactgaagag gtaaagtgtc 120
taagtggcta ttttacagtc ctttctaata aaatgtacaa aaacaaacag aagtaccgag 180
aatgccgttc gggggccttt atggcgacgt aagaacgggc ttggacttgg tctgtgaatc 240
cagaatccag aggtgcaggt agcactactg gatcagggtt agcctcgggg ggccaaaaac 300
acggcttcag tttctcccca actctcactt agtggttaaga gtggcagagg tgggtgtggg 360
agcttcccaa agacctgctc catcttcccc agagggtgaa 400
```

<210> 479

<211> 430  
 <212> DNA  
 <213> Homo sapiens

<220>

<223> Genbank Accession No. N57577

<400> 479

```
ttccctcagg tgggttaaagg ccaccaaaca aatactgggc aacagggggtt tgttgggaga 60
gtagaaata aaaaattaac caaattttgt ccctgtgtta attcaatgcc agcaaggagg 120
caagtactga agaagaaaag ggacaatttt cataactaaa aagaattcct ctaatcatgt 180
caccatctca tataatgaat ccagggaatc ccagaaatag aaaattagtt tcagggggacc 240
cctgaggcac tttaaagcct tttaaaaaat tacagtaata ataaattaga tattgctctt 300
cagaggctaa cagagcagca gaagcatcaa gatcagggtc aaagagttat gccacattt 360
acaggcttcc tggagctgct cagccctctt ttaaagctta gttgaatcct taaaataacc 420
ctttaaaaag                                     430
```

<210> 480

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N58172

<400> 480

```
cctgaccgta ctctcaaaa tccagattgt ttgtgcatac atttaaaaaa aaaatcaatg 60
gaaatttcca cctttgttcg aacacataaa gtatgccatg agcaatataa catcacaaac 120
gtactgtgac aaaccattaa taaagaagga ttactaagcc aggtgtggtg gtgcatgcct 180
gtagcccagc tatgcaggag gctgaggcag gaggatcact tgagcccggt agtttgagtc 240
caccctgggt aacacaccaa ggactccatc tctaaaaaat taaaattaaa aggattactg 300
aaagatctca tttctaaaaa aagaaaaaag aaaaagatca ctggaagtcc agacatgata 360
ttttaatt                                     369
```

<210> 481

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59532

<400> 481

```
ggcaagtaag aaggaagttt aatttttttt tcaggattca gtggagtcca ttaatgcata 60
ccaggggcaa agatcagccc agggtaaggc aagtctggga ggaagccac cctgccctac 120
agcagccctg gaactcagaa taggtggtga gtctgccatg gtttgctact gggcagcaca 180
ctagaccaac ttgggaatgt ggaagagtga gtctatgttc cctcagccat cccaagttt 240
acacacaggc atagcagccc tactgtgagt cagcaatcat tcctgacttg cagtaaggac 300
aatttgcat tacggaaagc aaactggagg gggtagccta agtccgcact gcccatgtta 360
ttaccctttg caatgtgaaa aacctgggtg aggtagggtg ggcagggttt atcctctcca 420
caaaggtgag cctttgctcc acagc                                     445
```

<210> 482

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N59831

<220>

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<221> unsure
<222> (1)..(473)
<223> n = a or c or g or t

<400> 482
acctataaat atatttttatt catacttttta aatatttttac aattcaaata aaaaccttat 60
atgtagacaa tctgggctaa atttccatgt atgttttgaa aaataatggt agcatgaata 120
gattcatatt taaatatgat tttaaatact cttaatagag gagacataag aaatattttac 180
ataaaagcta agtagcatga tacagctcat gggtatttttc ctcataggaa aacaattact 240
tgattttttt tttttgcata ggattaagac tgagtatctt ttctacattc ttttaacttt 300
ctaaggggca cttctcaaaa cacagaccag gtagcaaadc tccactggcn ctaaggntct 360
caccaccact tttctcacac cnaagcaata ggtaggnatc caggncacc cttctgaggg 420
nccggaagga atgggttccg gaaaataatg gnttttaaaa nattaccatt aag 473

<210> 483
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N59866

<400> 483
gtttttttttt ttttttttaac acaaaatttta ttttattttct atgtactaac aatgaacaat 60
gggaggtatt tacaattaca gtcaaaacca taaaacactt agaattttac aaacttcaag 120
acctacacac tgaaaactat aaaacatttc cgagaagtca aagactaat aaatggaaga 180
tgatactatg ttcattcaatt agagtactta atatgttatt aattctcact aaattgattt 240
atagattcca tacaatcctg ctcaaaatcc cagcaggctt tattctgggg aaatattgac 300
aacctaattc caaatgttat agggaaatgc aaaggaccta gaacagccaa aacaacttga 360
taaaaggaca aaattgaaat ccttaaatat gactcccata tttccaacaa atctacagta 420
attaagacaa tggatatagg g 441

<210> 484
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N63047

<220>
<221> unsure
<222> (1)..(419)
<223> n = a or c or g or t

<400> 484
nttatttttaa ataaatattt taattctatt gttgacattt acaagtagaa agcatacagt 60
atgttacaaa tatcaaaatg agaaaaatat gaatgttaca taagtaacaa atataaaaaa 120
agtatttttct taccttccct gaaagtaaga aaactattca gcataggaaa atatcagtat 180
caaaaacaca gcttaggtgt aaaaaaagtt ttacacagt atttaaaaaa aatgatctac 240
aaaatgacaa agtaagtgtt gaaatctgat ttcataataa ttataaaaac tgggtactta 300
gagtaaatgt tatctgggtg gaaaataagt ccaatcataa gctttcctta ggtcaattct 360
ttaaaatatt aaaagcatat cgaaaaattt tccaataaat aaccttnaag aggggttcc 419

<210> 485
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N63536

```



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<220>
<221> unsure
<222> (1) .. (189)
<223> n = a or c or g or t

<400> 485
nagcaagcaa aaaactacct ttatatatga tgttattcaa atacatggat aagataacac 60
attttatgat gtaaaaagta atatttataaa attaaaaggc aagtctttct ggtattcaga 120
agtctgaagc aaccactgtc cagctcttta aaaagagcac attccattct ggtggcacac 180
aatgtaca 189

<210> 486
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N64683

<220>
<221> unsure
<222> (1) .. (523)
<223> n = a or c or g or t

<400> 486
acaacttttt taatatatat tttataaaac aggtcacgtg ataaaatagc acaagaaaca 60
cttaccaaata ataaggttat atcttccgca tatacaggag aatgaggctg ttatgtacaa 120
taagaaaatg attttagggg ttggttggtt ttgttttctt ctctcccctt aatttttctt 180
cctacagtcg ttggaaatat cacagcttca gttgcattaa tactttgggc aaatggacag 240
ctgccccctc ccactagggg tctgtgggga ggaggggctg gagaaactgg ctccctgacca 300
ctcagccctg gagcttctct gggctggcac tccagggaca ggaaaatctt tgggctggtg 360
atctgtttct gattcaacag catctctctc tctcttttnc ctctctctcn cagtctcatt 420
ctctctctca ctctctggct ctctgggaaa cgggtactct cttccaacca gataggaggat 480
gtcccaagat tgggtgtggg gcgcggtatc tcttggggnc ttt 523

<210> 487
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N66802

<220>
<221> unsure
<222> (1) .. (401)
<223> n = a or c or g or t

<400> 487
ttttttttca ggccaaacta aagcttttat ctataaaaac aagaaataaa ataaggagat 60
ttataggccg gctgattgtc agcaaacaca atatatattac tgtattagca tttgctcaca 120
gtgcaaatgg tacaacatta caccatttca atatttcggt ttttaaaaat gctgttttca 180
ttaactatat tatattggca ttacaatatg acaaaggagc aaatgaaatg ttggtgaaga 240
atttcacctt ttcacaatat caagcatatt tttttaacct tagtataagg tactataaat 300
ccaagaaata aaaacatcca caaaatatat tacatctngg tttgtctttt ttctaagtac 360
tcaactttat acaaaagtct ttcaaaaaat atcatttccc c 401

<210> 488
<211> 451
<212> DNA

```

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67041

<400> 488

```
aacatttcat ggaaaacttt ttattggttt tctggataga aacaggaatt tatttgccag 60
gaagaatgat cccatcatalc ttcatgctaga accagtgatg aggatgattc agtcttaaaa 120
aagaaggaaa tccagtcata agctacagca tgtatgaatg ttaagtgaag tacgccagtc 180
acaaaagaca aatactgtgt aggtatccaa agtaatcaaa ctcatagaaa cagaaagtag 240
aatacttgct gccaggggtt gcaaggacca ggaaatggag agctgttatt caatgggtat 300
agtttcagtc aagtaaaata aaagaagttg tacaacaatg tatatatggt taacaatact 360
gtattgtaca gttaaaaatt aagataaaact tggatactta tttttaatgg acaattttta 420
aaaatagggt tgggtaacaa tttccaatgg g 451
```

<210> 489

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67575

<400> 489

```
tctattttaga tctgatttta ttttgcaata tttattatat attcaattca aatgtactca 60
ctattgtgct aggcattga aagtaaaaag tataaagctg cattttgctg tctcagtgag 120
gtttaagtca gggaaatgag gcatgcacac aaaataacga gaaagtagta taatagctgt 180
gatcattagt tatcaaaata agtgaatgag ctaataatca ttgttagaat a 231
```

<210> 490

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67815

<220>

<221> unsure

<222> (1) .. (334)

<223> n = a or c or g or t

<400> 490

```
tttttttttt tggtaaagac ttttaagaga aagaagtatt ttaaaaagta gcagtgtctt 60
gaggctcagg gtgtaggacg gggggcacag ctggtcccgg gagggccctt gtgcacaggt 120
ggtggcccag ggcnanagtgc tctctcttgg gggacgcgcg gccggggggac ngccatcgtn 180
tccggcccgg ggctcccggc gggctccggc ggcagggaca atggcgaggc cgctcaccac 240
ttnaggaana ccatcccggc caggacggtn tagcccagca ccaggaagag gaccttnagc 300
anacggtcac tcttctcttc canctccttg gcc 334
```

<210> 491

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N67876

<220>

<221> unsure

<222> (1) .. (478)

<223> n = a or c or g or t

<400> 491

```
agtcaagtac tttcttaaaag aaacaatagc accacattgg catagctggg ccaaacaata 60
aatgggaaag caaaatgtgc tacatctttt attctaagcc ttctcccaag tgcataaaat 120
agtaacagaa accctggagc cacagagcat gagatcgggt tcatctacac aaacattgac 180
gttccaagga gaggaaggat tctcaagggt ggacaggctt tttgtttgtt tgtttgtttt 240
ttaataaaat tttcaaggaa gtgatttctt ttcagtattc cattggatcc ttagggtgaa 300
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tctgtgtatg taggggtggg 360
gttaagagat tttcatatcc ctaagaaaga gtggattcng atggagagct gcattaactt 420
tttcagggga actgcctcat cttaaaaagt ncaaatctcg tgccgaattc ctgcagcc 478
```

<210> 492

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N68350

<400> 492

```
accggctaaa agctttaatc cagagcctgc cctactctga tagtaccaga gtggaggggca 60
gaataccaaa tgtccaggaa ccaaaggcag ggctgtgggg acctgaagag cagcacagtg 120
gggcccggtc tgctgtgggg gaaactgagg ctgggagctc agcagagacc ggtgtcaaga 180
gtctctggga actgcatagg cctgagggaac atgcattttc aagttgtcca ttgatggttt 240
cgtacctgaa tttctcacct tttgtgaaca tcttgggagg gtggggggtt tgcaggggtg 300
ttaaaagcaa ggcttgggag cccctttcct ccagctgggt gctccttctc agggcctggc 360
ctcattcagg ccactttgta gagaaatgcc ctgacctcgc aggaaggatt tcccc 415
```

<210> 493

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69207

<400> 493

```
tttctttatt atacttttat tgtttgttta attcattttt gtctgttaca aataaatttc 60
aaactagaga gtcacagatg ttaataaaact cgcccaatgc atcacctgcc tccgaattcc 120
atagtttcca ctgccttgcg ctacttgcac tctgattaga gaatggtaat gtgtgcctct 180
ctgaatcaag ttcaagaata aatgccctat cctgggctaac acggtgaaac cccgtctcta 240
ctaaaaatag aaaaaattag ccgggcgcagc atggcgggcg cctgc 285
```

<210> 494

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N69222

<220>

<221> unsure

<222> (1) .. (284)

<223> n = a or c or g or t

<400> 494

```
ttttatgagc aagcgtgggt tatttcataa atgcaagggt agcttaacat tgaaaactta 60
atctaattta taattatgta aatgaaagaa taaaaataat atgatcacgt taatatttac 120
agaaactgca ttttaataaaa ttcaacattc attcatgatt taaacaataa aagaaaactc 180
```

```

ttaacaaata agaatagaag anaccttcaa cagtctgact ttaaaaagag aaagccccag 240
aaagcctatg naaacatttt acttaatggt aagataaagt ttttttctaa aaa 293

<210> 495
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N72253

<220>
<221> unsure
<222> (1)..(320)
<223> n = a or c or g or t

<400> 495
ccttttttctt aaggaatcca ttcattgttg aagcccagat tccctaacat atgcactagt 60
gggttggtctt ggggaagtaac agtcaccaga gtctggaagt tcttcgcttg aactttgagt 120
agccactggt actattggaa gccagatggc canggtattg gnaaatgggc aaggggaaat 180
cccaagctgg gctcaagagc cgtggggttag ggaagaagaa ggtcaagtgg actggtaaaa 240
attctacttc aactgccctt attcatagat acaactttcc taacagtctc actctccacc 300
agtcccatat ccacaacca 320

<210> 496
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N74291

<220>
<221> unsure
<222> (1)..(465)
<223> n = a or c or g or t

<400> 496
agagaataaaa acttggaattt attcagaccg tatgcttccc atttggggtg cagagtgggg 60
gacagtcattg gggacagaga aaggcagtc atttggtctt tagggacatg ctgattgctg 120
actcttttggg tgaccttttg gccaccagat gaccagctga atgatggaga tggatgatgaa 180
ggggctggcg gccaggtcct tctggagacc tcacagtgat tccaaacaga gaccaacgct 240
gtgtccagtt ggctctgttc ctctccaggg attaaggagc agatggctgg gaacactcag 300
actaatataa gaaataaaaa ctctgggtag agggacactc tgggggggctc caattcaggc 360
agtgggtgtgc aaattcacac atgtcgatgc gtgggccagg cccgtgtgaa aaacatgtgt 420
gtgtcngtat atattacatc ctccacaagc anctggggagc cccca 465

<210> 497
<211> 212
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N75870

<400> 497
tcagcactga tggaaaatac cagtgttggg ttttttttta gttgccaaca gttgtatggt 60
tgctgattat ttatgacctg aactgattat ttatgacctg aaataatata tttcttcttc 120
taagaagaca ttttgttaca taaggatgac ttttttatac aatggaataa attatggcat 180
ttctattgaa aaaaaaaaaa aaaaaaaaaa aa 212

```

```

<210> 498
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N75960

<400> 498
ttaaattaat agatcaaaaag ctgctcgcat tacagagaca accaatagta tgaaaaaacc 60
agcatgctat caccaaaatc caaactaaga aaaactctac aaggtaaaca acacaacttc 120
ttcaacaaat atattgtaag agggcagaga gatgctgatg aaccaatagg tgagtgaacc 180
ccaaacctgc agcttcagat cacctgggaa tttggtagag atgcaattt 229

<210> 499
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N78630

<220>
<221> unsure
<222> (1) .. (440)
<223> n = a or c or g or t

<400> 499
gtttattaaa ccagatttat tctccacaag ctgaagatac ctgagggttac atgaggactg 60
gcattaaata atttataaat gtatttttga ctgacagact tttatcataa ggattcatgt 120
gtttacaaaa gcaaaatcca acctctccag agctagaaaag tgggaagggtg cccgggctgc 180
aacacagcct tgggggagga tgaggccaca taattctctc tgccacact ctcagaatgc 240
cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtggtgtg 300
gactctccaa aatgcagacc caaccggang ccgggcccg ctttccatct ggaggcactg 360
cagggcttct gaaagcggcc catcccagga gcctggcaaa cccccccaga gaccctcagg 420
atgcgcagcc ccggggcttt 440

<210> 500
<211> 144
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N79070

<400> 500
catttcttat aaatttatta cataataata ttataataat tattatcaat aataataata 60
taagaaacat agatctctgt ggggcgtatc acaacgtcag ggtcaggagg cctcaggact 120
ggagcagggg gtgaaacccc ggga 144

<210> 501
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N79778

<400> 501
atgttagaaa attttaatat atgattttgg tagggccaat acatagtaaa gacatagctt 60
tatttcaatt gaaccgaata aaatgatgta tttcagtaaa ttaaggcaaa ggagatagat 120

```

```

gctatgacca gtggtgcaaa atttttcaaa aatttatata ttagatttac ctttacaagg 180
ttatagtcaa gaataattaa tttgtatttt aagcaaaact tactgctttt caaaaaatgt 240
cttaatcttg agtgaggaat agtgaaggta atcttaatat actgtttaac tttaaaaaat 300
aatttttagaa ttatagaaaa gtttcaaaaa gagtatagaa tttatgcaca cccttctgcc 360
agctttcctt aatgttaaca atgtacataa ccataatatg attttccaaa accagggaat 420
taacattaca gtagtgtttt aatttt 446

```

<210> 502

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80129

<220>

<221> unsure

<222> (1)..(409)

<223> n = a or c or g or t

<400> 502

```

agtctagatg aattttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60
tcaggggtgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120
gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180
gatgcagccc tgggcacact tggcacagcc cacaggngang canggagcag cagctcttct 240
tgcaggaggt gcatttgac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300
caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat 360
tcaagaggaa aacacgcagc gggacagatt ctcgtgccga attcttggc 409

```

<210> 503

<211> 406

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N80152

<400> 503

```

acctctgtca atgattcttt tgagaaaagc acccataatt tgctacttga ggattttatt 60
ccctggattc tctggatgct cattgcatga aaagtggaaa agtttagatc tatggaaaca 120
gaactgttgc ctatatcgga aaatcagtc cttgtggaat acaggtaaga acagtgttgc 180
tcttgaaaaa gtggacagtg ggtggtctga atgtgtcctg gtccctggag tgggttttta 240
gattgatgtg gactcttctt agacttgtaa gtaaaaaagt tgtttcttcc cctaaaaggg 300
aactcgtgcg ctttagacct ggggaattgc tgggaaactg aaacattctg tagactttac 360
ttgtttccaa ctgtatcgca gcaagaagtc tatgtgcccc aggatc 406

```

<210> 504

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N91461

<220>

<221> unsure

<222> (1)..(508)

<223> n = a or c or g or t

<400> 504

```

ctttacattg tctaatagac ttgtttatta ttttaagctg gtaaaaagag acttatgatt 60

```

```

catgttgaag aaagagttat ttgtgcttga tacattgaag acactgttca aaagcagttt 120
gtccttataa aaggatgacc cctgtagtat ttcttaggca aggagggaca aattcaacca 180
acgaaaagca catctcgccc cgagttcccc atgattttctc cacatatagc aaaaaaatac 240
acatcagtaa ttattttgaa catgcacatc agtgagtagg cancagttct ncggcgggcta 300
ctcaagacaa caannngggag aatatcagca ttacctaaat aaaaaagaga ggtgaatcac 360
accatttttaa ttgtctttaa aacacggata agaagagcaa ttaaaatata gtcctaaaca 420
gtactagcta atgtagatta cntaagtata ccatatgatt ccactaatag tgctctgaca 480
agcataaccn ccagttctag ttaaccag                                     508

```

```

<210> 505
<211> 154
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N91887

```

```

<220>
<221> unsure
<222> (1)..(154)
<223> n = a or c or g or t

```

```

<400> 505
atatttatta ttttattgct acattggaag tgaaaataaa ctgtaagaag ctgccaaagg 60
atgcaacttc atgaagatta tgaaactatt gaggcaccca ttgtagaaag ttaaaattgg 120
cttatcctgc atgaggtgga agcnaaggcc tccc                                     154

```

```

<210> 506
<211> 169
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N91971

```

```

<400> 506
gttttgaaca cagatcactt tattggcatg gctttgtttt aagaaaagga aaagtgacaa 60
agccaagaga cagactctgc taacagatgc ctgggggtgg ctggacattt ttgcctcatg 120
ctgtgcaaag aggggggatcc tggcccacac atcctgctga ttccttggg          169

```

```

<210> 507
<211> 139
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N91973

```

```

<400> 507
tttttttttt tttttttttt atggggcagc gggggtcttt attogtcaga ttttccttct 60
tggcctactc cccaggtgtg gccagggata gtccatacag tgtgggtact gcaaggtcag 120
gatggccagc agaccagt                                     139

```

```

<210> 508
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. N92239

```

```

<220>
<221> unsure
<222> (1)..(395)
<223> n = a or c or g or t

<400> 508
tcagaaaact aaagcagcac cttttatttta tacatacaaa cagtataaaa tgttttattag 60
gtaagagctg tgttttgttt acaatatatt atattgcttc aagccaatgc aaaaagtcca 120
tacattatat tccctatttc attgtgttta gaatatatta tattgtttaa atgccantac 180
cacagtgtaa tttttttttt tttaatactg aatctctgga ataatggtaa ggtcaaaaata 240
tattgtattg agagtttaaa aattaagagc aatttttaaa aatgtaacaa acatctaaat 300
atctgacaat aaaatctgaa atgctgtaac ttcaacatta actgcaccat ccaaattctt 360
gtgacttacg cattttgccc catttaacct ttctg 395

<210> 509
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N92502

<220>
<221> unsure
<222> (1)..(510)
<223> n = a or c or g or t

<400> 509
ttttttatac aaacaagttt cttttatttgt ttccacacat tcataataac tatagaacag 60
aaagattggt ttaatttgct gtcctacttc ggtgacctga tgaatacact ggtaacagtc 120
cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180
gaatctcacg atgagcttcc tcaggcttcg gccgtgctg gaccagtcag cttccgggtg 240
tgactggagc agggcttgct gtcttcttca gggtcactct gaaaggggtg tctgggcttg 300
gtcttgccct ccagggttca cgcgctgcag gttttacatg gctgtgggtg atccaggctg 360
ggattccctt tacttcacag cgggaggagg gctcagaacg acagctgggg tctttccaca 420
gtggacacaa agaggtacgt tccagttctt gatcaaatng atcactgggg agaaaagggtg 480
aactggggag aataantaac aggccattta 510

<210> 510
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. N93798

<220>
<221> unsure
<222> (1)..(270)
<223> n = a or c or g or t

<400> 510
cacggctcct gttttattgc cttcgggtgt ccggagcacc tgactgcccc ggggtctaat 60
aatttaaggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120
tggttacaaa atatacccc accccacaac aaacaggcta gaggagacca gcctggctgt 180
gtcggggang ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240
gcgccccaga gggagtggcg gagacaggac 270

<210> 511
<211> 399
<212> DNA

```



<213> Homo sapiens

<220>

<223> Genbank Accession No. N94303

<220>

<221> unsure

<222> (1)..(399)

<223> n = a or c or g or t

<400> 511

```
tttttttagca agacaagggtg tttttattga ggtctcagga attgcaattt gggagacaga 60
ttcagctaga agccacttgt gttctgaaga gagagggtag aggaggggtt tttaaaaaaa 120
gctgaggggtg attagacaag ttgacaagtt gttttgaaag aggcaactgg cttagtacaa 180
aaatccatag tttattgggtt ggtgctggtg aggagttgta gtgctggtga aataaaaattt 240
tccaggatgc agtggtcatc gcaatttggc ccaattcaaa ggttcaaggt aagctcctgt 300
attgtttttt tttttggagc ttttaatttt ttttcaagtt gcagggtcatg tagggagtcc 360
nttttaagaa tggcttcctc cctccaattt agagttcct 399
```

<210> 512

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N94424

<220>

<221> unsure

<222> (1)..(508)

<223> n = a or c or g or t

<400> 512

```
tttttttttt ttattattta gaaatgtaaa catttattta aaagtaggta gcaagttaaa 60
aatgaatact tgcctgaaat cataaaacat aatcaagttc tttttaaaaac agttaatttt 120
tttctataaa ttacttttca tcgaaagtat attatctttg ttttaacatgc tagatagaag 180
caatttagca acataaaata tattagctat agtatgttca aaagaatgag aaatataaat 240
tcagagatga gaccatcatt ttttgcagtt aaaaaaaaaa atgttgattc tggtgcaaca 300
tacactgatt atccaggttt tacatttttag ggctgaaacc ctgaggaacc tgctggtgac 360
tgtttagcac tngagcagag ttcagtgtgg catgcgcttc ccagagttaa aagcnaaaagc 420
agactggaga aacnaaaaaac ccacatcctt ggcatttcng aggttttcac ctggtaatcn 480
tagggtttcc ccaattttatt agaatggt 508
```

<210> 513

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. N95495

<220>

<221> unsure

<222> (1)..(462)

<223> n = a or c or g or t

<400> 513

```
tttttgccaa acattagagt ttgtttttatt gcatgacgtt tgcataagaa aaaaagttat 60
tgaaaactgt aaggcatcat gcaatcattg aataagctaa ttattaactg tacacttaag 120
ataggtggac atataatcta aaatttataaa actagttcca gaaaagtaca taaaaaattt 180
aacatgatga gcttttaaat atggtttata gtttcattgt gttaaaaagt gcttcaaagt 240
```

```
tactgctgga aagttgctct ttacaaatgg cgctgggggtg atgtcagatt ataaactgta 300
aaaaccaagt acttttatgg aattagaaag ctaacattgt gatccccaac ttcttgaacc 360
agttttcaat cccatttcaa attaagttga ttaatattaa taactaaaaa cactgggtta 420
tacccecaaa ggcttggatc cagtagnctg tggccaccaa tc 462
```

```
<210> 514
<211> 197
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. N98485
```

```
<400> 514
tttttttttt tttttgttat atacatttta ttgaaaaaaa atttttacaac aaaatatttt 60
ggcaaactgt aaaagtatac ataagtgcaa atatatacctc ctttttaaaat acaagcaaag 120
tgtgagtata cacggtcata aaaatatctt taaaatatgg tggtagaaaa caaccttgta 180
aaaacgttgt attgtcc 197
```

```
<210> 515
<211> 340
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. R00144
```

```
<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t
```

```
<400> 515
tctaaaatat aattgtttat cccaatgtca ctccaccag gctgcagtga tggcnaaatc 60
actgtaacct cgaacacctg gcttcaagca agcctccctc aagcttccca cactgttggg 120
attgcaggca tgagccacta ttgtctgagc agtggctctt cctgcaggct ggcttaccct 180
ctgcatccca cccatcctgc aggtgaggct gaccatgccc ctagggtcca agagtcaagg 240
gtaatgaaca caccatcac ctntcaaaag tgacggctct gtcctcatca atatgaggga 300
ntttcctcan ttcctggcat aatcagctca ggggacacaa 340
```

```
<210> 516
<211> 417
<212> DNA
<213> Homo sapiens
```

```
<220>
<223> Genbank Accession No. R01257
```

```
<220>
<221> unsure
<222> (1)..(417)
<223> n = a or c or g or t
```

```
<400> 516
aactattctt gttttatatt ttattatact ggaacagctc gtgtcctctg tctcttgctt 60
cgggtgcttg gtggcttgcg cccacnatct cccccctttt tattaactag aatcgccatc 120
gccatcattg cttgttggtg acttcggact tggtttcgga ctcttagag gcatctgcag 180
actaaaagga gacaacataa gcataccaat attaatatg ccagtaacaa caatgatcct 240
ctgacgggtt tgagccattt gaagggatta aaatcagggt aattgttttag ttatgccttc 300
aaaaatgtgt gagccaggga actgtgggat aaatggggct tgtgaagcct ccaaagattt 360
gctctttaag gttgtggaaa tatcccaagg gttaaggtta tcatcccnng ggttttt 417
```

<210> 517  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R02003

<220>  
 <221> unsure  
 <222> (1)..(258)  
 <223> n = a or c or g or t

<400> 517  
 tgantttntca tagggctcgg cgtgggaaca gagcgcagga gtctgggggtg ctccaccggc 60  
 ggggagggggg cgcgcagtcc ctctctggggg gatcgggggt gctaggcagg ggtggtggcg 120  
 caagaaggggt ctctgggagcc ggggggtctg gaggtggagg agtctcagca tcttgtttcc 180  
 tgtgtctcctt cccagcaggt gcaggccctt ctgcctgggg tccccctctg aaggccctcg 240  
 gtttcccccg cgccaagg 258

<210> 518  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R08850

<220>  
 <221> unsure  
 <222> (1)..(294)  
 <223> n = a or c or g or t

<400> 518  
 ttccnaaanc aggcagttaa tgtgtctgaca tagtaacaag gtttgaagga ggaacatctc 60  
 atgcacgtgc gtggaaaccc aattgtcatg tgtatgaact acaaaaggat ggggaaaaga 120  
 acacatttcc tcacaacagg antacatgag attagaaaga aaaccggant gaggtagatg 180  
 catgantgca cagacaaggn tatgtgacag gaagctgggt gacattttgc atctgacata 240  
 gcagtacacc tagagagccc aaggaantcc accccaagt taccagaggc aaga 294

<210> 519  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R09379

<220>  
 <221> unsure  
 <222> (1)..(413)  
 <223> n = a or c or g or t

<400> 519  
 ttggnnttgag tttggccttt cctactgcag ccaggtgaga gcttaagatg tcagtcccca 60  
 atatcttcac agagtgcctt tatgaccagt ttggagaatt acgatggtaa ggggaagagg 120  
 cagatatgaa gaggaatggg taggggaatt gtcattcata actctgtgct atattacttg 180  
 aggggctaag aaaaatgtat ggtcagtgaa acacagtagt gtacccttaa atgccttata 240  
 aaagaccatc catccagtct gcgcttttga ctgtgtgcaa gtatcagtaa taatgctttt 300  
 ggggggctca gatgaacagc gaacacccaa tcagccaggg gctctgggaa gggaaagctc 360

ccaaaaatga ggaagtcctt tccaacaccc atttttccca ttactgttct cac 413

<210> 520

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R10896

<400> 520

```
ttaagccatc caagtaaaaa aaaaaatttt aatttaacaa tgaaaaagga acttcaaagg 60
gtttatgcca aaaaacaaac cagtcctctg cagcctaact catttgtttt tgggctgcga 120
ccattgtaga gggcgatcag gcagtagatg gtccctccca cagtcagcgc catggtgggtc 180
cggtaaagca tttggtcagg caggcctcgt ttcaggtaga cgggcacacc atcagctttc 240
tggaataact tttgtagctc tggaactttg tttttcccag cataatcata ccctgtgggga 300
atcggagggtc agtttagtt 319
```

<210> 521

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R11526

<220>

<221> unsure

<222> (1)..(318)

<223> n = a or c or g or t

<400> 521

```
tttantagcg cgaccatttc tttattaaat tatacaaaan ggnnggggag gggggcagct 60
gtggggctcg gcaanaccn ggccccaccc cggcctggcg ctgtctgaga agaggggatc 120
tgagggggat ccagggatca ggcaggatag ggatggggca ggacatgagg ctgggggatg 180
cagaggttag gtgggagagg ctaccngaga aggaatgagg ctggtagggg agggagaaaag 240
agagcaaaga gagagaggag caattggggg ccagctggag agctcagatg gagcagggtca 300
ggaggtggaa caatggca 318
```

<210> 522

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R15108

<220>

<221> unsure

<222> (1)..(362)

<223> n = a or c or g or t

<400> 522

```
tttttttttt tttttttttt tttaacggta gaaccaangt ttattaatga cagcctttat 60
tacaatcact ctcaagtgt aaaaataaag ggtgattaat taatatataa aactcactcg 120
gacttgctgt ttggcctttc agtggatgtg ccaaaggga gggatcttgc ctgattctga 180
atcaattggc cagatggagt tcaactggaga atgaggcaat caacaaaaaa gacaaatgat 240
gccaaactgga gagagctcgt gtcttctcca tggtggaagg acattacaaa atggcaactn 300
tgggtggggg cagagatgaa gtaagacaac cttacagtcg gagtaagatg tgaataccct 360
tt 362
```

```

<210> 523
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R16983

<220>
<221> unsure
<222> (1)..(416)
<223> n = a or c or g or t

<400> 523
ttgcagagac aagtgaacat ttattttttgt acctttcttc ctatgtgtat ttcaagtctt 60
tttcaaaaca aggcctgagg aatctccaga ttcaattatg tccctgggct ttgtcgacag 120
ctgcaggagt cttagggagc cttgtacaaa tgctagagtt actcatttac caacattaaa 180
cccgagaata gaagatgcaa caaagcaggt ttccttcctc catgggaaag tgctgatttc 240
agacaagggc agcagccaat gtaggaaaat gctgggaatt tttccttggg aactgggact 300
gtggatgaga ggggtgctttg cccatggaac cataaggcta ctgtcttttc ttttggnccc 360
ttcccttttc caggtttttg gaaggnataa aggccgggaa ataaatcttt ctctgg 416

<210> 524
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R25410

<400> 524
gtggacaaat cttttatttt ctgaagacaa gtgatttgaa gtccagactg aatggcattt 60
aagaattagg aatcctgcgt gccatcctgg agtgaattaa actaaattag agtccagaat 120
atgcagcttc ttttaagaaaa aattctcctc tgaaatatatt tctttccacac tgcattaagt 180
agtgttcctc atgagacatc tggaaaacat tgattgttaa aatgtgggtc tggg 234

<210> 525
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R28370

<220>
<221> unsure
<222> (1)..(419)
<223> n = a or c or g or t

<400> 525
anatggatat tagttcttta ttgagaatca gaaatatattt aaatttacta aattcagagg 60
tagtcatggc ctctcccaa taaactttac agtcttagac aatttgtgca ttttaataaa 120
ttcttagtta tagtattaaa gaaagtggct gggcgcgggg gctcacgcct ggtaatccca 180
ggcacttttg gaggtccagg gcagaggcag ggcagatcat gaggtcagga gatcgagacc 240
atcctgggct aacacggtga aaccccgctc ctactacaaa cacaaaaaaa ttaggccggg 300
cgtgggagac agggcaccgg taggtcccgg gtacttcggg gagggctgag gacagggagg 360
aattgctttg aaccgggga ggccaagggt ncagttnagg cccgagattc acgggnact 419

<210> 526
<211> 431
<212> DNA

```

<213> Homo sapiens

<220>

<223> Genbank Accession No. R31679

<220>

<221> unsure

<222> (1)..(431)

<223> n = a or c or g or t

<400> 526

```
acttccaaga tnaacatttt tctgtttatt cttagaatgt gaattttttt tttcaactca 60
gggccaaagta caaacttttg atttttgaaa ttttttcaac tcaggggccaa gtacaatctt 120
ttgatttaaa aatttttttt catgaacaaa ccatcagtag ttattaagga gccaagaaa 180
taggagatgt gaaagcagga tttctttgtg tttcctttga atgttggtat tttgagtatt 240
atcattatca gggtaggagg gaaggaaaagg gtagggctgg ggaaggtagg gtccttatgg 300
atatcttgac tatgggatcc ccaggattta catttcacct ggtcacagng gcacacataa 360
tttaggataa acatgttcaa ggaatggaca taaacagagg ggtaaacaca ggggggcttt 420
acatttgggg g                                     431
```

<210> 527

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R33627

<220>

<221> unsure

<222> (1)..(247)

<223> n = a or c or g or t

<400> 527

```
aaaaaaaaact tttgaatcat ttattctttg gttgtctaca nagacactta agtactgtat 60
cgctgtcatg cagcggcctg tggaggccct gggggtggct gggcctgtgt cctgagccct 120
cagccagatc caggggggtgc ggtgtctggt catgtccact ccaagagcag tagcaccatg 180
tagaaggctg tgagcagggt cccctcggct gagtggcaga tgtaggctca ctgctntgca 240
gccccaa                                     247
```

<210> 528

<211> 282

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R36881

<220>

<221> unsure

<222> (1)..(282)

<223> n = a or c or g or t

<400> 528

```
tttttttttt ngtgattata cgttttatta gactcnggga ggggtaatgg caaggncctt 60
atcangtggt ccttcaaatt aaaaaaaaaa aatacaaaaag ctacgtagaa aacgtcagat 120
cagacgacta aactttcccg actcagggcc aagttcttct tgagcctgcg ctctcgggac 180
gcctgcgagt cgggtctccga gtacgggggc ggcgcgggcg ggtagtaggc ctcttctctc 240
tctctcttgt ggggtctcct cctctctctc gacccttct tc                                     282
```

<210> 529

<211> 428  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R36969

<220>  
<221> unsure  
<222> (1)..(428)  
<223> n = a or c or g or t

<400> 529  
tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant 60  
gtatcatata aaagtttcat tcgctggtgg cagccacggg aaagactggc cccgtagcac 120  
tgattttcca cctcccctcc agggacttgg gtcccaggag cagtgactgg gcctcagaga 180  
aagcccataa agactgctta ctctggaagc agccgactag gggctnttcc gcgagcagct 240  
ntccccaccc cacccaatgg caaaagttag atactcgaaa gtgcctcttc agtgccaaga 300  
taaactaaca agtgggagtg aaatgggaaa accctttgat tattttacta ttttcccagg 360  
ggcctggggg nttttnagtt tttccctgca attcaaagtc cttttttccc ttacaatagg 420  
ggggtagg 428

<210> 530  
<211> 507  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R37588

<220>  
<221> unsure  
<222> (1)..(507)  
<223> n = a or c or g or t

<400> 530  
tttttttttta gaattcaggt agtgttttgg tttattatct tagtgttgtc acaagtgata 60  
gaaacccccca ngaagtngga angaaagagc tccntgcntg gacctacatt ttgccattcc 120  
cctcttgccc tgggntcaga accttgaagc ctttgcttgg cccttgcatg ttaggatatg 180  
gccaaagaatc agaaactgat gcgtttttcc agcactacct gtgtgctgca ctcatggaag 240  
gtgggaagct atacacaggt atccaacttg gttataagac accagttccc acagggctgg 300  
atttctcagc tgtctgggta aaccagtggc acttcactgc cccaggggtg gctggctccc 360  
tttctgaatt tctgtctcaa tgtgatataa ttgccacat tcaggatggc taccacatt 420  
ttggtatgaa caccatgact tctttaaggc aacgggggct ttccctnctca gaacagtgcc 480  
cctgnaattt ttctctctgt gggcttt 507

<210> 531  
<211> 239  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. R37774

<220>  
<221> unsure  
<222> (1)..(239)  
<223> n = a or c or g or t

<400> 531  
tttttttttta tgtattttcca aaatcacaaa atgcacaaca ttcattngttt ttaatattgc 60

```

aacatggaat attatataca gattaaaacc acgacagcaa aaacactcac acggtaccag 120
tttcatatca aaacaaaaca cacaagtgtt ttttcaatat taaaacgact gtgataaaaa 180
catattaata ttttgaacca tgtttacaat agngcaaaat tcatatttta ctaaataac 239

<210> 532
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R38678

<220>
<221> unsure
<222> (1)..(237)
<223> n = a or c or g or t

<400> 532
tttttttttt tttttttttt ttttttccng ttggaaattt tttatttacc actgcaaggt 60
ttttgtctca aagtgtcaca ccagacatat gactacaatg tctcatgcat ctttttgtgc 120
tttagttcat gactgcaaaa cacacactta gcatattgaca acaggaaaca cagagggcag 180
aaacaaatca caaggactag ttggtttagg ttacagccac attttccccg gggctcc 237

<210> 533
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R38709

<220>
<221> unsure
<222> (1)..(401)
<223> n = a or c or g or t

<400> 533
tttttttttt tttttttgat ttctcaacat caaagttaa ttattacaaa atagttcaag 60
caacatgata tgantttcaa aaactgtatg ttgcttngct tcctngtttt gctccaacac 120
taatcatgct gaggtttttg aagcacagct atgactaggg caggcactct tgatttcagt 180
cacaaaaacc cttcttgat gaacaatact tgttcttttc agaagaaaag caattttacc 240
ttttctatct ctattatgaa aaacagagct aaacaatttt tgtattttta gtagagacag 300
ggncaccaca cgctggccac gntgggtctc ganctccttt caagntgttc tgccctgccc 360
ggcctnccaa agtgccggg nctacaggat ntgaggnac c 401

<210> 534
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R39467

<220>
<221> unsure
<222> (1)..(340)
<223> n = a or c or g or t

<400> 534
gagccacctc ggggtgactg agcggaaggc caggcagggc ttccctcttc ttccctctcc 60
ccttctctcg gaggtctccc agaccctggc atgggatggg ctgggatctt ctctgtgaat 120

```



```

ccacccctgg ctacccccac cctggggtac cccaacggca tcccaaggcc aggtggggccc 180
ttagctgagg gaaggtacga gctccctgct ggagcctggg gacccatggg cacaggccag 240
ggcagcccgg agctngngtg ggggcnttag tnggggggtg ntgcttgacc cccagcacia 300
taaaaatgaa acgttgaaaa aaaaaaaaaa aaaaaaat 340

```

```

<210> 535
<211> 197
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R40431

```

```

<400> 535
tttttttttt tttttttgtc ttgtgtgtat ttttatttca gggaaagaaa tgagggatat 60
gataagaaaa agtctattaa aattgtaagg cttactccag acaccattgc ttaaatcact 120
cccctcgcac acagagagaa aaccctctgg caagtgcaca aaaacactac tcataaaagc 180
acgggtgacc agtgaac 197

```

```

<210> 536
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R42241

```

```

<220>
<221> unsure
<222> (1)..(464)
<223> n = a or c or g or t

```

```

<400> 536
tttttttttt ttttgaaaaac agaattatatt attgcataca gcatgggact gtgatcaacc 60
tggncatcaa atgccgcgat ggctgacagg gccagggcgg cgggagtgct gggaagccca 120
gtacacgtgc tccctctctg tgggactccg ggatccacgg ggcggatggg tctntgagtt 180
gcgagttgtt cctgtttgtc ttccagcccc cagtcctccc cggccactct gattagccag 240
cctagggtag ggcttgatc aaagtcacac aggcaaacc cagaagaagg aaaaaggcca 300
cctgcatgaa caaagagttg ggttgacag gntgcaccgg ggtaagactt ccttcatgca 360
gttnggagtc cncatgtn gggacatcag gagatgncac cncacagaat tggtnngctag 420
gttttntctg gttttggccc agagaggctn attcccattn tttt 464

```

```

<210> 537
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R42424

```

```

<400> 537
tttttttttt actttctgtg agcttatgag gccattctgc acattatcaa aatgaaatca 60
ttatgcagta accttatata tataaatcca attttttcct ttgtagaaga aaacccaaat 120
aattttacaa actacattta acttagtaat ataaagaact gactagtgtg aaattttgaa 180
aatctaccac tttattttga agggaaagg acacatcctt caaaaccccg gctaacaatt 240
cctaggttca gttttctatt atacaaatca aaagggttaa ttccttgtgg gcactaacca 300
aaactttaaa aattaacg 318

```

```

<210> 538
<211> 243
<212> DNA

```

<213> Homo sapiens

<220>

<223> Genbank Accession No. R42607

<220>

<221> unsure

<222> (1)..(243)

<223> n = a or c or g or t

<400> 538

```
ttttttttttt aggcctttgca aaatacattt aatgatctct ttcaaacaag tgttactcgn 60
gttttcttttg ctttctggag ctaaattggg tatcgtatgag gcagcagtca cgggagaccc 120
aacatgctct tggcagatac tggattatcc aactatcaaa aatggagctg tagaagaggc 180
atgttnaact ggttaaaaca gaaagggat tttagtacgg tcaagttgat ctaagtacag 240
agg 243
```

<210> 539

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44397

<220>

<221> unsure

<222> (1)..(270)

<223> n = a or c or g or t

<400> 539

```
tttttttttg tattgtatac acagtggaaa gctggtttta tttgggagac aatgggagct 60
tttacattgt tgagcaaagg agtgacgaga tcagtcttgc tttttagaaa gattagtttg 120
gcagttactt atttgaacc aganttagac agcaaatcgg gatgcagggg gagaagtcag 180
gtgactatta gtctgcgagt aattctggga caagagcagt ggtaatggaa ttnaaaggga 240
ttaaagtntt taccaggtt tggcataaat 270
```

<210> 540

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R44535

<220>

<221> unsure

<222> (1)..(367)

<223> n = a or c or g or t

<400> 540

```
tttnttccaa aaatcaccac ctttaatact ccccggtcct gcacacaccc acagtctcac 60
tggtgctccac cctcacttac tgcccgccgt ggatggcctt ggaggctgcc tgcccgcgcc 120
aggatgtttg gcacaaagag cagccccgaa gccnctnaa tgntctcgat gggcaccagg 180
taagcgntcc agtgggatgg cctnatccac aggtgcgttg ggcacacgt aggtgcggan 240
tncaatttgc ccantgntn cctccagggt cagcaccttg aagaagtttg tgggcactgc 300
cangtgggtt ttgccgatga cctgggtant ttacgtagga tttcccatca gnctctgtcc 360
atggggac 367
```

<210> 541

<211> 398

```

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R44714

<220>
<221> unsure
<222> (1)..(398)
<223> n = a or c or g or t

<400> 541
tttttttttt tttttttttt tttttgattt tnagcaggna cagttttgat tttattgcaa 60
ggcacacaat cgtatataca atgcataatt atcatctttt aaagtacaag ataaaaatca 120
tatacattat agtaaaganc atatgagtat attcttgttt cagagangaa anttgcctta 180
aggaagctgg gttataccgt ttttgatgt gattttcgtt tttatactga atcatccgaa 240
cagctcttgg ttaggaaaat aaatctcatt gatagggnca cacaaccttt cacaggcttt 300
cactttacaa tgttccantt taaaggtcag ccagtgtggc tccctggatt ttggcatggg 360
gtcatcgttt tttcatcccn ggggtcttgg gttggaaa 398

<210> 542
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R45654

<220>
<221> unsure
<222> (1)..(364)
<223> n = a or c or g or t

<400> 542
tttttttttg ccatgtttca tttcctttta taatgaaaat ccataagggt ttaaaatact 60
cttagacaca cctagcttag caaatatcat ggacctctac atttatgtga attcacacat 120
gagctagcca gcacctcagt tctggctggc catcgacacc tgcttctccc tttggccctg 180
gggccaggga gccctggagg ccaggttccc ctctgcctcc tccaatggag ttgccagcat 240
cgcctttatc tcccttctgc cccaggaggc cagggaagccc aggggagcct tcagccccct 300
tctcacccnt ntgccecntn tttncagca aacctggggg ccccnngntt ccttttggtt 360
ctgg 364

<210> 543
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R45698

<400> 543
tttttttttt ttttttcatt ataaaagtca gtttattttt cctttctgtg tttcgtattt 60
tccctttttg tcagtaaatg agcaatacac tgactggaaa tctgcatgat taaataacat 120
taacaagttc ataaacacac cccatatcag agtataaagc aagagggttg aaaatatccc 180
ctaaccgaat gccaaattag ggtatccctc aaaattgcac atttccct 229

<210> 544
<211> 254
<212> DNA
<213> Homo sapiens

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<220>  
 <223> Genbank Accession No. R46074

<220>  
 <221> unsure  
 <222> (1)..(254)  
 <223> n = a or c or g or t

<400> 544  
 tttttttttt tttttttttt tttttttttt ttattgccaa ganccaaaga aaaaatttta 60  
 tttaacaatag agaattttat ttgaaacatg catttcctgt ttttttaaaa acaaatacagc 120  
 aaatgcagat caagttttaca ctccttaagg caagagtccc tatgcacgct gtacatgttc 180  
 atattaaatc caaaagctgc tcacccgggg aacttggtga caaagggcaa ggccaaggtc 240  
 agcaatgtgt cttt 254

<210> 545  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R49138

<220>  
 <221> unsure  
 <222> (1)..(338)  
 <223> n = a or c or g or t

<400> 545  
 tttntttttt tttttttttg ggagttgaga tatattataa cagatggggg tgctgggggt 60  
 gggctcctgc cccagagggg ttgacaggtg gatgccgggt ggggagggct gcagggtctgg 120  
 ctcttgccct ctntcctggc ttcatgggtc tgacancctt gggccancct cagggtctggg 180  
 agcgtactnt agcaccancc tttcaaagtc gttctccttg gcctggtact ccttgatgaa 240  
 gggatgggac ctgtgggcat ccttcagctg ggacaggtat cggtttgtca cctcaggggg 300  
 nttgccaggn tgctnggaca ggacgatgag gttnacca 338

<210> 546  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R49327

<400> 546  
 tttttttttt tttggaaaaa gaaatttttt tttaattaga aaccaagttt acatacgggtt 60  
 aaatgggttac taaaagctca gttgtaacca ctctaacac cactagcaga acctcaaggg 120  
 agccaagagc tcttcccttt tcccctgtta atttccagta taatgtagca gcacaattat 180  
 ttcattgtac atttaagaag aacaagaacc aatttatata aagggtacaat tgtatatcct 240  
 taaacattcc acataaacac actgtcaaaa ctactggat atgc 284

<210> 547  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R51831

<220>  
 <221> unsure

<222> (1)..(414)

<223> n = a or c or g or t

<400> 547

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tttttttttt ccatttttaaa ttatttttatt gtatattataa aaaccaaata aagcaataac 60
tttaaagacc tcacacacac acagtataaa cacctgggta aggttttntt cgtgtccatg 120
ttgacaccgg aactaccgtt aaagtgcgaag ttttgttttg tgttcctttg tgcagtttca 180
ctcacatgta aacaagtcac ttggctatga tttgaccac gccccccgn ttagtttcgg 240
gagggcagag gctctaccgg ctgtcacagc aaccggant cacagncaag ntaatgccc 300
gtgggtcctg accctgcaag cggggcatga cggtttcctg angcctagca gagngtggtt 360
aactttcaca tncctcccc acccgtggt tcactnttag gtttttgaga agtt 414
```

<210> 548

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R56183

<220>

<221> unsure

<222> (1)..(538)

<223> n = a or c or g or t

<400> 548

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gtaagatggc ggggtacgac ttaactactc gcatcacgca ccttttggat cggcatctag 60
tctttccgct ccttgagttt ctctctgtaa aggagatata taaagaaaag gaattattac 120
aaggtaaatt ggaccttctt agtgatgcc aatggtaga ctttgctatg gatgcataca 180
aaaaccttta ttctgatgat attcctcatg ctttgaaaaa gaatagaacc acagttgttg 240
cacaactgaa acagcttcag gcagaaacag aactaattgt gaaaatgttt gaagatccag 300
aaacgacaag gcaaagtgcg tcaaccaggg atggtaggat gctctttgac tacctgggcg 360
gacaagcatg gttttaggca ggagtattta gatacatctt acacatatgc aaaattccca 420
gtattgaatg tggggaatta cttcaggagc agccagaatn tctttatttt tttcagagtg 480
ttggttcccg caaccgacag anatgctgta agttcactct gggggaagct ggcctctg 538
```

<210> 549

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R56602

<400> 549

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tttttttttg ctggttatgat tagatatatta ttgagcacca ggagagagtc agaacattag 60
acttatagtg gaggagcaga actgaaccct ggctgtgaa ataacaattt caattaaaag 120
ctgtctggcc ctgaagaaag agaaatgatc ctggatatag ctggtcctct gagctggcag 180
agctgagcct ccctcgggtc ttctgggtgg caagatgcc aagttgaata gtgtctgtag 240
ggcatgatga ccaagtccta gtgctatggg catcttcctt ctggtattta ggagaggagt 300
accagaagcc cccggcagag gatactagga agggcccaga gccaaatcca gcagctgggc 360
ttac 364
```

<210> 550

<211> 181

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R58878

```

<220>
<221> unsure
<222> (1)..(181)
<223> n = a or c or g or t

<400> 550
caaacaggtc atttgttttt attttatgga tacaccaaaa ttttataatg agttgtgttt 60
ctattttggc tttatcttcc agaaacttag aaccaaatat gcagtcctct tctagcaact 120
gtatgagagc aggtggtaag cttctatttn attgcccttg ttttcccttg actccaaatc 180
t 181

<210> 551
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R59593

<220>
<221> unsure
<222> (1)..(485)
<223> n = a or c or g or t

<400> 551
tttttttttt ttttttgcca ttgaaaagaa agttttaatgt tacaattctc cccagaaatg 60
aggggtcatgg catgccacag ggggccacat gaaactctgt cacaagcaga gaccacaaag 120
cagagagagg acctgagact atgcctttat tgctaagtca gtgggatgga tctaggtggg 180
gatgtcccct gtttgggcat aaagcaaaaa cagacattct atggttgtca ctgggaagtc 240
tgtgatatga gttttgtgca cccacgagag agggcttaaa aggatgatgt aaacaacttt 300
agcctttagt ttgtccctgt acttaatatata tgtcaaatag ggcaaacaca aattctaagg 360
taaacacaga ttagttccgg gagcagcttg gcttatggca cacnttcagg gaaacacctt 420
ggcttaaatc ttacagggga ccacctgttt ttttcaaact ttgggggttat tccgtttctg 480
acttt 485

<210> 552
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R60056

<220>
<221> unsure
<222> (1)..(363)
<223> n = a or c or g or t

<400> 552
tttttttttt ttttataaaa ggaaacagac caacatcata gtgtttttatt gacaaaacca 60
taggaaaagg cagttttagg atgtaaagta aaaatggttc tctgaaatat ctacacaaac 120
gtgaattctg aaaagttttc attaaaatcg tatttcatac aattataaac taatgaggaa 180
caaaacaatt ttcaacttct ccataaccca gactgagctt gatttatgct tgccatacag 240
aagcagganc tcttcccaga gagggtggtg gctcccacac agctgacagc caggtttggc 300
tgtttaccta agccccatct tcccagtcgg tgttcaaaaac aagggcacaa ggtctgggct 360
tttcaaaaaa aa 372

<210> 553
<211> 387
<212> DNA
<213> Homo sapiens

```

<220>  
 <223> Genbank Accession No. R60777

<220>  
 <221> unsure  
 <222> (1)..(387)  
 <223> n = a or c or g or t

<400> 553  
 tttttttttt ttttttttatt taaatggaaa cactaatctt tatttttcatc atgctgaagt 60  
 gtgtgggttac aatttccaat aaaacactat atataataag caaaataagt tagtacattg 120  
 taaactttatg cacagtttca tcaattaaca gtttaaganc aaacaagcca tttaagactt 180  
 tggagctaca tttagtaaaa nattgcaaac actcaaactt tatcaacccc aagtaagaca 240  
 gtaaagagct attcaagact tcttcaaacc aattacacaa ntacatgttt atttttgggt 300  
 acagtccctt ggctatgcac aaggaccatt gggaatgctg ggancaattt acacatttta 360  
 aaaacgggca aaaaggcaaa gcaaggg 387

<210> 554  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R69417

<220>  
 <221> unsure  
 <222> (1)..(350)  
 <223> n = a or c or g or t

<400> 554  
 ttttgtgggg ggggcaacta aacaaacaca aagtattctg tgtcaggtat tgggctggac 60  
 agggcagttg tgtgttgggg tggttttttt ctctattttt ttgtttgttt cttgtttttt 120  
 aataatgttt acaatctgcc tcaatcactc tgtcttttat aaagattcca cctccagttc 180  
 tctctctcc cccctactca ggcccttgag gctaattagg agatgcttga agaactcaac 240  
 aaaatcccaa tccaagtcaa actttgcaca tatttatatt tatattcaga aaagaaacat 300  
 ttcagtaatt tataaataaa ggggcactat tttttaatga aaanaatttg 350

<210> 555  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R71395

<220>  
 <221> unsure  
 <222> (1)..(284)  
 <223> n = a or c or g or t

<400> 555  
 tggaaaaaan nacaacttta ttttcagtca tttctatttc cttgggttatg aacaaaggta 60  
 gcaaagtgc gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta 120  
 cagtttgcca caggtatctt aaaatattgt ttacactcat ctctcttcag tttaccattg 180  
 tttaataggc ctaccctcga tctttttatt caatatgtta ataaagaaac ctatacacat 240  
 agtatcacgt tatacatttt aaaantnttt tgacaactgt atat 284

<210> 556  
 <211> 480

```

<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R71792

<220>
<221> unsure
<222> (1)..(480)
<223> n = a or c or g or t

<400> 556
atttattgca aactccctaa tatcacatgc tagtgcgctt gnaatttcac tcaggaatgt 60
tccgggatgg gggccagaag gtagagagca ccatgaaagt acagcctgcg aggccggatt 120
gctaaggggc agacttcatg ccaatggagg gacaganttc aggaccagtc tggatgggct 180
aagctgcctt gggcngnaag gagctggatc aggccaggga gcttgagggt ctcctttggc 240
caaccacccc cagggtttcca gtcctctctc ctactcagg gtcctgcgcg gtgagggagg 300
tttgggggag gttcgcggct ntacagctgc cagggnnttt ggggcactac canttaagcn 360
tgaggccccc agtcagtcct tcactngggg aaagtttcca agganttggg gctttcactn 420
gcattttttt cagacangtt ccggntaagg ggttnaagct ttnccttngg ggggttnccc 480

<210> 557
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R84421

<220>
<221> unsure
<222> (1)..(392)
<223> n = a or c or g or t

<400> 557
acaaagagaa aattttatct tcttattctt gaaatgactg tacgattttt caatgttaaa 60
gttcactttc aagtatgatc aataacaaga catcaaatgt aaaaattatg ctgtattatc 120
atcttctcca ttgcttctta aaccactgaa agtaatttca caattcacca catttaggca 180
tcttcttttt cactttcttc attttttact tctttaggca acaatggatc aatcttcagt 240
aataaacctt cacttggtga actacgaagg aaagcacgta ccacaanggg acccaaattc 300
aggcgggtct gtgcctacaa acttcattaa taactgcttg cggattgggc agctatctgg 360
gtcacttgac atatccaatg ttggctatct tg 392

<210> 558
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. R85291

<220>
<221> unsure
<222> (1)..(412)
<223> n = a or c or g or t

<400> 558
ttgntattta cangtattta aatgtgaata ttcactacct atttgttgca ngcctgcant 60
ttttatactg ggcttgccaa aaacccgaac agctttctac tttgacaatg tatcagaatt 120
taaatcagca atatgttaat aagccaagca aagggttatat atgcaaataa aactgttgtc 180

```



tataacctcc tgttacactg gggcacagca aaagtcatgg ngtagtcgca tgtgaacctg 240  
 tccctttcat aggctgctca ttgccgggga acatcaggga atagccattt gggaaggggt 300  
 catcagccct cccancatcc gttttctgtc ttgtcttttc cctatgaggc agggggnaat 360  
 tccncggtgg ggccccaatc cccagtgcag gnggctcagc ctntggcctt tg 412

<210> 559  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R88209

<220>  
 <221> unsure  
 <222> (1) .. (380)  
 <223> n = a or c or g or t

<400> 559  
 acatcagtca gaaaattcca gaaaatggaa agtactccat catacagcaa agtaaatcaa 60  
 tggttgtttg aagagcagag agaaaaactt tataaaggct ccaagtaaata acaaagggtga 120  
 tagattagat aaattcatta tggngactct gatgatggtt tcacgggatt ataataaaaat 180  
 tcaagactta tcctacagct caaatatgtg tactttattg gatgtcattt atatctttat 240  
 tttatTTTTT agatgggggc tcactctatc acccgggctg gactgcagcg ttgcaatcct 300  
 aggtcactg caacctccgn ctccgggnt caagcaatcc tcccacatca ctaagggncca 360  
 gggtagatgc cncctnccg 380

<210> 560  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R89840

<220>  
 <221> unsure  
 <222> (1) .. (379)  
 <223> n = a or c or g or t

<400> 560  
 ttaaatttta ttatagtaac aaagtgacta tttttaataa taaaagcaga gtgcctgtag 60  
 gaagtggatg gccctatctc aggccaagtc tccttagtgt ttcagaccta ggctgaccag 120  
 aatagtcttc tagaatgtaa catttatcca ccaggngtca ttattttacca atctgacaag 180  
 ccactgggct gtctccngc attcaatggt tggaaatcaag gctacagacc agantaggag 240  
 atgaatgaaa ntagatttag aaaagggcgt tgtggctgga atgcagcttg cagtgtggga 300  
 gggcagggnt gggagggtaa agagggtctt ttgaaagncc agtntcactt tcctgatcca 360  
 agtttcttaa gctgatact 379

<210> 561  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. R91484

<220>  
 <221> unsure  
 <222> (1) .. (378)  
 <223> n = a or c or g or t

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<400> 561
tcaaattgtca gatttcttta ttaaaatgtg cacattatag tttacttaaa tacaaaatgt 60
tcacttttctt tgcaggtaag aaatttcact gacatttcca tgtcaattag cttcttttta 120
ataaaaatcc ttccactgaa aataaatang catttaantt actgaactat tatattcatt 180
agtctcaata cctcttaaaa tacttaaaac ttngnaaaat agactctaaa catngcctaa 240
nggngggcat ccagctctga ggcaggccac acaagggtgtg tctgagggtat gggccatatg 300
actccggggg ggccacctcc acggacgggc ccagcccccac cgacggntct gctggaaaaat 360
cccgccccct caggcggg 378

```

```

<210> 562
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R93908

```

```

<220>
<221> unsure
<222> (1)..(223)
<223> n = a or c or g or t

```

```

<400> 562
catatatnna atantaaaaa tcttgggagg cattgcactg taatagtaag tctgcccac 60
caggntcatg catgtctttt ctttcattca agtcttattt tataatctttc agtaaatttt 120
catatagatc ttgtgaatcg aattattttt acatttcaaa ttcaactaac aattattaat 180
aganaatgaa aacattgatt tttttcaata tttattttgt gtc 223

```

```

<210> 563
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R96924

```

```

<220>
<221> unsure
<222> (1)..(334)
<223> n = a or c or g or t

```

```

<400> 563
agtaaacttt attngggaga tgggggtgaat ccatcactgg ttactggaac cctgagtctg 60
cattttctcc tcaggaaggc ggtctgaaat ggagtgggct gtgtttggca agggttgtag 120
tggtttggaa tctctcacct gcttggtccc cgagctgggc ctcaggctgn tctccccaga 180
gtaaatgccg gggatcattg aggaagcgtt ggctgcgctg ggcattgtag ggcaggctctg 240
tacggtccag cgctgtcccc tgcagcgtct ctgggcgctg ggggtgcaggc naggcccnng 300
acgaggaggg aagagcagcc tcgacagaga gtcc 334

```

```

<210> 564
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. R98442

```

```

<220>
<221> unsure
<222> (1)..(510)

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<223> n = a or c or g or t

<400> 564

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gtactcatta atccccctcct caattttttaa cagaattata aaagcaaagt caaaagggtcc 60
ttcaggatga ctgggagggt tccctaggcta actttttgcat ttgaaaatgg aaaaaataaaa 120
ttacttgata tttgtgataa gactaagatt tcttaaaagt ctgcacatca atatattacc 180
tggtgcttagg aggggtgaggg cacagtatcc atctgcaccc tctcctcgta ttttttaaaa 240
acaggcaaaa tatgtaagaa aaggctgggtg cacgttggaa gacagagcgt gcctgtctat 300
gccagtgtctg ctgtgccctg cagcctgggn aggatgggag tcggatgtctg gggcctcatg 360
nccacttagg gccataaaca tactcaagac tctacagccc tttcaccagc aaagtatgnc 420
ctgaggggaa ccactgggtg ttgggagttg aaggcacaca aagcaggggc taaagggcaa 480
ttgggggtttc acggtgcagg cgccttgagg                                     510
```

<210> 565

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. R99092

<220>

<221> unsure

<222> (1)..(386)

<223> n = a or c or g or t

<400> 565

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tgtagagacg ttttgccctg ttgcccaggc tggtttcgac ctgctgtgct caagggatct 60
gcccaccttg gcctcccaaa gtccctaggat tacaggcctg agctactgcg cccaacccat 120
ttatattatn ctgttttagt tgcatttgct ttaggagtct tagccatgaa ttctttgcct 180
aggccaatgt ccagaggagt ttctcctagg ttatattcta gaatttttat ggtttcagggt 240
cttaggttta agtcttttat ccattcttagg tttatttttg tgtaaagtga gagacaggga 300
ttcagtttca ttcttctaca tgtggctatc cagttttccc agcaccattt attaaatagg 360
ggtgtccttg cctcaattta tggttt                                     386
```

<210> 566

<211> 691

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S45630

<400> 566

```
gacccctcac actcacctag ccaccatgga catcgccatc caccacccct ggatccgccg 60
ccccttcttt cctttccact ccccagccg cctctttgac cagttcttcg gagagcacct 120
gttgaggtct gatcttttcc cgacgtctac ttccctgagt cccttctacc ttcggccacc 180
ctccttccctg cgggcaccca gctggtttga cactggactc tcagagatgc gcctggagaa 240
ggacagggttc tctgtcaacc tggatgtgaa gcacttctcc ccagaggaac tcaaagttaa 300
ggtgttgagg gatgtgattg aggtgcatgg aaaacatgaa gagcgccagg atgaacatgg 360
tttcattctcc agggagttcc acaggaaata ccggatccca gctgatgtag accctctcac 420
cattacttca tccctgtcat ctgatggggt cctcactgtg aatggacca ggaacagggt 480
ctctggccct gagcgacca ttcccatcac ccgtgaagag aagcctgctg tcaccgcagc 540
ccccaagaaa tagatgccct ttcttgaatt gcatttttta aaacaagaaa gtttccccac 600
cagtgaatga aagtcttgtg actagtgtg aagcttatta atgctaaggg caggcccaaa 660
ttatcaagct aataaaatat cattcagcaa c                                     691
```

<210> 567

<211> 1398

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S59049

<400> 567

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tagatggcaa cctccctatc tgcccgcagg tcatagagge gacacgtagc gtcattctgac 60
cctgaagcaa aggcattctcc actccaaagt tagacaaaat gccaggaatg ttctttctctg 120
ctaaccctaaa ggaattgaaa ggaaccactc attcactttct agacgacaaa atgcaaaaaa 180
ggaggccaaa gacttttgga atggatatga aagcatacct gagatctatg atcccacatc 240
tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
aatggctca atctctggaa aaactttctg ccaaccaaac tgggtcaaaat gtcttttgaa 360
gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
agaagattaa agcaccaacc cccacgtggt ttgatgaagc acaaaaagtc atatatactc 600
ttatggaaaa ggactcttat cccaggttcc tcaaatacaga tatttactta aatcttctaa 660
atgacctgca ggctaatagc ctaaagtgac tgggtccctgg ctgaaggga ttaacagata 720
gtatcaaggc acgaagggaat gtgccagtat gggtccctgg gtgaacagct tggccttttt 780
tggtgtctt gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagtatt 840
ccaggcgcag agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900
agatactgtg gtactgtcat aaaaaacagt ggagctctgt attagaaagc ccctcagaac 960
tggaaggcc aggttaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
acaacaggct gtaagaatca aagtcactg acatctatgc tacatattat tatatagttt 1080
gtactgagct attgaagtcc cattaactta aagtaatatg tttcaaattg ccattgctac 1140
tattgcttgt cgggtgtattt tattttattg tttttgactt tggaagagat gaactgtgta 1200
tttaacttaa gctattgctc ttaaaaccag ggatcagaat atatttgtaa gttaaatcat 1260
tggtgctaata aataaatgtg gattttgtat taaaatatat agaagcaatt tctgtttaca 1320
tgtccttgct acttttaaaa acttgcattt attcctcaga ttttaaaaat aaataaataa 1380
ttcatttaaa aaaaaaaaaa
```

1398

<210> 568

<211> 1223

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. S81914

<400> 568

```
acactcgctc ggctcaccat gtgtcactct cgcagctgcc acccgaccat gaccatcctg 60
caggccccga ccccgcccc ctccaccatc ccgggacccc ggcggggctc cggtcctgag 120
atcttcacct tcgacctct cccggagccc gcagcggccc ctgcccggcg ccccgaggc 180
tctcgcgggc accgaaagcg cagccgcagg gttctctacc ctcgagtggg ccggcgccag 240
ctgccagtcg aggaaccgaa cccagccaaa aggcttctct ttctgctgct caccatcgctc 300
ttctgccaga tctgatggc tgaagagggt gtgcggggcg ccctgcctcc agaggacgcc 360
cctaacgccg catccctggc gccaccctc gtgtcccccg tcctcgagcc ctttaatctg 420
acttcggagc cctcggacta cgctctggac ctcagcactt tcctccagca acaccggcc 480
gccttctaac tgtgactccc cgcactcccc aaaaagaatc cgaaaaacca caaagaaaca 540
ccaggcgtag ctggtgcgcg agagcgtatc cccaactggg acttccgagg caacttgaac 600
tcagaacact acagcggaga cgccaccggg tgcttgaggc gggaccgagg cgcacagaga 660
ccgaggcgca tagagaccga gcacagccca gctgggctag gccgggtggg aaggagagcg 720
tcgttaattt atttcttatt gtccttaatt aatatttata tgtatttatg tacgtcctcc 780
taggtgatga gatgtgtacg taatatttat tttaacttat gcaagggtgt gagatgttcc 840
ccctgctgta aatgcaggtc tcttggtatt tattgagctt tgtgggactg gtggaagcag 900
gacacctgga actgcggcaa agtaggagaa gaaatgggga ggactcgggt gggggaggac 960
gtcccggtcg ggatgaagtc tgggtggggg tcgtaagttt aggaggtgac tgcattctcc 1020
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ccgtgagatc cttccatctt cttgaagtcg cctttagggg ggctgcgagg tagagggttg 1140
ggggttggtg ggctgtcacg gagcgactgt cgagatcgcc tagtatgttc tgtgaacaca 1200
aataaaattg atttactgtc tgc
```

1223

```

<210> 569
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T03229

<400> 569
ggatgatcttt gtggcattct ctgtatttcc tgaatctgaa tgttgctcctg ccttgctaga 60
ttggggaagt tctcctggat aatatactgc agagtgtttt ccagctcggg tccattctgc 120
ccatcacttt caggtacacc aatcagacgt agatttggtc ttctctcata gtcccatatt 180
tcttgagggc tttattcggt tcttggtatc cttttttcct ctaaaacttt tccttctcac 240
ttcaatttca atttaatttc aaccttcaaa tcaactgata cccctttctt 290

<210> 570
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T03593

<220>
<221> unsure
<222> (1)..(253)
<223> n = a or c or g or t

<400> 570
cgngcaaaaag tgtttatttt tctccttcag atatacantc tattggggnt tccgtgccac 60
tgaccaccat gtacaaggaa gggnttcaca ggcaaggggg acaggtgagg gcagccccc 120
cttcactcaa ggaacagggc aagggggccc agtacagaga acagaaatct cttacgacag 180
catcgtgcc tggcaganga ttctgcatan tcacctagaa atttcaattc taactgnntt 240
gatggaataa tag 253

<210> 571
<211> 71
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T10695

<400> 571
tttttttttc agctgggcta cagggtttatt ctggcactgg aggtgaaagg gggctggtgt 60
ggccagcacc g 71

<210> 572
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T15409

<220>
<221> unsure
<222> (1)..(255)
<223> n = a or c or g or t

<400> 572

```

```

ttttattgaa agttgaaaag tgaacagtta aataagtgac accttaaaat tgtgtagcga 60
aatgacagaa aatatgcata taactactat acaggtgcta tgcagaaacc cctactggga 120
aatccatttn attngttcga actgcggtt tttnaacgta ttcaaccagc tgaattgaac 180
gatttcagtg nacacggatt tacttttagcg tattcagcag ctagatttca gcttccacan 240
ngtgcgtnac tgtgc 255

```

```

<210> 573
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T15423

```

```

<220>
<221> unsure
<222> (1) .. (268)
<223> n = a or c or g or t

```

```

<400> 573
tttatttcat tatcagtctt acaggttgct gaggttgggc aaagccaggg tagtaactta 60
aatccaaagc acttttgtgg agggacaacc cgtttagcaa ggccctgtta ctgaacagag 120
ggcagtgggg ggcaccccag ggaccacagc acacagacta gtgtagaaa ccccttccca 180
gaagcaaccg gtgggacttg gcccttacca gccaggggtc tactccattg ggtcttgggg 240
cccaccaacc cctnttagag gnggnccc 268

```

```

<210> 574
<211> 246
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T15850

```

```

<220>
<221> unsure
<222> (1) .. (246)
<223> n = a or c or g or t

```

```

<400> 574
aggaggggtg cgtttattag acaaacgctg ggagacaggc ctggtgggga cctggctggg 60
ggatgatgca gcccgcaatg gctgctgctt cgtacttggc ttgccccgga ccacagactc 120
gtaacggtaa cccctaactt ttcaggggcc tgnacccgc ccctgccagg gtccacacgc 180
agagttatgg cggnccacc cccacagggt cagctctatc tcccacctnt tgcacagaga 240
tataag 246

```

```

<210> 575
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T16282

```

```

<220>
<221> unsure
<222> (1) .. (311)
<223> n = a or c or g or t

```

```

<400> 575
aagctcagag tgacttttaa tatgccaatc aatgttaata aaacacaagt caaagacaag 60

```

```

tgcaaacatg ttttagacca aaattaatga gaaaacagac aatttttttc aacatctgtt 120
agccagtatt attagtcaaa tggctaataca cagataaaat atattttgtg aaaaacttgg 180
aatgtcagan gtcattctgg catttcaaac agctatgtac agtatcacga agatcggttt 240
atatacacia atattgaaga gaaaaaccgg gcaaaacatt taaaaacaga ctaataatac 300
aatcaagtat a 311

```

```

<210> 576
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T17428

```

```

<220>
<221> unsure
<222> (1) .. (250)
<223> n = a or c or g or t

```

```

<400> 576
gctgtgcagt agtattttatt gttacagtgt taaaattcac tctcggggaa gcgatttggg 60
gccacggccc tagaaactgc atctttgttc agagccaacc catttcctct gcagccacaa 120
aatgcctttg tgtntcaggg ctcgggagat tctcctcgnt ggccagccat tggcaagaat 180
gccagactca gaggttgcca ttgcccacag gctttntnct cctttccttt cacagcagga 240
agagccctcc 250

```

```

<210> 577
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T23468

```

```

<400> 577
tttgccaatt atctccatgt ttattttaaatt atttggctct aaaggaagca atcattcctt 60
tatacttctt taaatttagt attgacattt ttattttggg aaaggaggtc tttttttttt 120
ttaacatgga tacaggaaaa gaaaactctc caataaaaaat attgtctaaa aagtttggtt 180
tggtgtcatg atttactaaa tatgtacaat ttcaattcac agcgaaggta acaaagattt 240
aaacagccaa catcacaat gtctcaagtt ctaaaaaaaaa atcactgtgc acagtttaac 300
aatttaatt 309

```

```

<210> 578
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T23490

```

```

<220>
<221> unsure
<222> (1) .. (299)
<223> n = a or c or g or t

```

```

<400> 578
tttccagggt gacaggtttt attccacccc cttccatccc catggccacc ccaggcagga 60
ggagacaggt gtgctggagt ctggtcactt tggggcccgg cgtgggcaga gccactggg 120
tttacattct ctgtgggcag gtgtggacac cagagggctg gggcaggagg agcgtgggag 180
cgagcggncg acccccgctc ctggcccggc ccctgggtaa acgccgactc agatgcctga 240
aacagacctg ggccgagcaa ggaagggtga tggattttcc acccagacag aaattcaaa 299

```

<210> 579  
<211> 299  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T23622

<400> 579  
tttatagagg agactgaaaa agataattta ttccatcaga ggcatcacia ttacagatta 60  
cagacatttg caagtaaata atatgcaggg ttagagcgct gcgttttaac atttaacatt 120  
catgagtaaa cagagatggc cgggtggtaa atatcttgcc aagggtgggtc cttgtattaa 180  
gccttttgag tctaagatga caaatcccta ggggtcaggt gggttttccc gcacgaactc 240  
ttgtcaatga gaaatccctc agcccccttt gtcttggggtc tcacagctcc agaagggtga 299

<210> 580  
<211> 309  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T23935

<400> 580  
tttatgtata aacagggtacc agttttgatt ttatttaatc atttcataca ttaacataca 60  
tgacacatca aaatgagaaa tgcacagttt aaccgttcaa cagctggcct tacttcaaaa 120  
gaacactata ttcataattaa acatttacag tctttccatc taactttaca catgtcctaa 180  
atcattttcc agcactttctc acatagaagt ctagttttgc tctttaaaat caccatctgt 240  
atcaccccta gtagacgcga ggggttcccc aattacatgc tgaagagagc cagccaccac 300  
cccacctaa 309

<210> 581  
<211> 128  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T25732

<220>  
<221> unsure  
<222> (1)..(128)  
<223> n = a or c or g or t

<400> 581  
ctggcttttc ctttcttctt atttttattg ctcccaaag tccactcatc gtcactgtca 60  
gacgtctccg agtctgacga ggctgcaggc tgactcacag gcnnctcctt cnnctcagag 120  
tcactgcg 128

<210> 582  
<211> 207  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T32113

<220>  
<221> unsure  
<222> (1)..(207)



<223> n = a or c or g or t

<400> 582

```
ctggacagcg ggcagcacca ggcggcggac agtgtcttcc ttctgcagga gcagcgcgng 60
gctctccacc acctcctctc catccttggt ccagcgcacc tntgcccagg gccggcatag 120
ctcacaggtc agcaccacac gctccaggcg cacggctgcc acatacacct tgccgctggg 180
atacacgata cacgaggaga cgtctgt 207
```

<210> 583

<211> 308

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T33263

<220>

<221> unsure

<222> (1)..(308)

<223> n = a or c or g or t

<400> 583

```
gttccttttaa aggtttatct ctggcaaata aaaaaaata acttatgtgg ttagataaat 60
taatgtatgt nattagatac gacacagggc agagctgaac gtctctggtt tcttctggnt 120
cttgaagggtt ggtgagaggc cgctgaatga gaccagcct cgtgttttgt gggatgaaga 180
gatgcagaca aagtgactca ggtacactga tgctccctgg agggctggga ggtgggctca 240
gaggaagagg ccgaatccaa acctttttta ttgaaaagaa atagctcttg tttgtagcat 300
ttaaaaga 308
```

<210> 584

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T40895

<400> 584

```
taatggtagc tatcaattta ttaactgggt actgcggcaa tatatataat tataaaatca 60
ccatcaatcc tttcattcat acgttaacac atatcactgg ttttaattcat tgaaggcaaa 120
tacaagtttt tcccttactt tccttccaag attccactta ggctgggttac cccaaacgta 180
atggagaaac attaaatgtc acttttaaac cacttttaaa ccagtcttta attttcaatt 240
caggtgtgag gcacatatat acacacaaac a 271
```

<210> 585

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T40995

<400> 585

```
taatggttaa ggaggaaggt ttattggctt caattcccca gttgatgttc aacactttat 60
ttagttctca tttggatttt aaacatttgc ttgacaaata atttcccatc aatttccatt 120
tctttggaaa gctcccacgt gtaattttatt tttaacatct ctgaagagca gaattaatga 180
tatttcctag ctgttgctcc agatcatgta gggtagagga ggctgaaaac tgctacaagg 240
gaaggcatct gtattgtttc aaaacgtcag gacggtacgg gatactcttt ccagagcgac 300
gaggggtcaaa tcccttcatt tatttttttc aaaagggtaa aac 343
```

<210> 586

```

<211> 351
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T49061

<220>
<221> unsure
<222> (1)..(351)
<223> n = a or c or g or t

<400> 586
ggaccaaaga actttatatt tatttttaaat atcaaagtaa cacaaagaac tagttcaata 60
tacagtacac ttctactct tcacagagaa ctgaaatctt ctataaagac atttatactt 120
aggaaacatc agacaaccaa agtatgtata aaactcacaa gatattttac acacagttca 180
caataattaa ttctgatatt ttaggnnttt tctgtcattg cttttaaaagc atccttaatt 240
taaaaacaaa aattattatt tgaggactgg aaaacaggtg gcaaaggcat ttctactttt 300
aattatacac tggtaaattcc ccccttaatc caaaacattt tacttncaca t 351

<210> 587
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T49602

<220>
<221> unsure
<222> (1)..(423)
<223> n = a or c or g or t

<400> 587
tgaatattca agaaagggtga agtttaattt gcatataggc ataacctaca cctcacttgg 60
caagtgttag gccacagcac aaaccctct gtccaatcac aaatgtccac aaatttgcaa 120
agtaactgga cacgaacgat atgcttctca aactcacaca catattcgtc catcacacac 180
acactcaaat gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240
tcagatgacc tcagtgtcgg acagcctntt gcagttttaca gtctaatacca tttgggtcctc 300
acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360
agggaaactg aggctcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420
tgg 423

<210> 588
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T53590

<220>
<221> unsure
<222> (1)..(309)
<223> n = a or c or g or t

<400> 588
ttnggtatgt ggttcagctn tttatntct ccatggggtg ggtgaagagg agtggcccag 60
ctgagctgag gaaggtagacc actgagaacc cattcaacct gctgagcagc ttgggcagaa 120
aggagcagga cttgggacag acgactgaag atgcagagac cccatgggccc ccaccctgg 180
gccttctctcc catntggctg caggcatcct ntntnatcan tgctggggtg cttcctgggtt 240

```

aaagggccan aaggtnaagg agatgggntt ttcangcatc agaatgaggt tnaatttggt 300  
gcccacatc 309

<210> 589  
<211> 470  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T56281

<220>  
<221> unsure  
<222> (1) .. (470)  
<223> n = a or c or g or t

<400> 589  
caggtntatn ttntttaatt atcactcaca tatttcacag gaaaaggant ntagcaaattg 60  
ggtcaagggtg gtntaaaaaa aaaatccagg tttntacatg tctctctggt tacatctggg 120  
agaaagggttn tcctggcatc agtcgcagca gctgcacttc tctgacgccc ctttgcaaac 180  
acagccctgg gcacacttgc tacagcccac ggggaggcag gagcagcagc tnttnttgca 240  
ggaggggtgca tttgcncctc ttgcacttgc aggggaaccag cgcagggtgc agggagacac 300  
cagcggggcgc agggagcagt tgggggggnc cattgcaagc ccgagggaga gactgggact 360  
tttcccaagg agagaagcga aggaagccag tggggggcag ctcgtgcccg anttccttca 420  
gccccggggg gntcccccta gttctaggag cgnccccac cgggtgggat 470

<210> 590  
<211> 439  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T62857

<220>  
<221> unsure  
<222> (1) .. (439)  
<223> n = a or c or g or t

<400> 590  
caatctnaaa aaaatatattt cattatgttt attataaaaa tataaatggt tccactacaa 60  
atcattttac attagtaaga ggccatctac attgtacaac ataaactgag taatatatttg 120  
aaaagacaag tttaaagtaa acacatattg ccaatcatat cacatttata catggcttga 180  
ttgatattta gcacagcata aactgagtga gttaccagaa ataaataata tatgtaaatc 240  
aaattttaaga tacaaaacag ntcatatggg tacataacat catgtaggga gttgtggcct 300  
ttatgtttac tgaaagtcaa tgcagttccc tgtaccaaag ggatggccgt aggcatctta 360  
ggtaccctct nctccctggg ttagggaatc cgtacactta tggtttacca tatggtccgg 420  
gggtagggan ttgtggtaa 439

<210> 591  
<211> 450  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T62873

<220>  
<221> unsure  
<222> (1) .. (450)  
<223> n = a or c or g or t

<400> 591  
 ttttttnacga gacagagctc agttctgtcg cccagactgg aatgcagtgg tatgatcttg 60  
 gctcactgca gcctcgactt ctcggtgtaca agcaattctc ccacctcagc ccctggngta 120  
 gctgggacta caggagtata ccaccatgcc caactcgttt ttatatatttt atagaaatgg 180  
 tntctcacca tattaccag gctgggtctca aactcctggg ctcaagcgat ccactctgcct 240  
 gccttggtct cccaaagtgc tgggnttaca ggtgtgatcc tctgagtctg gccaatTTTT 300  
 atttaaagat atTTTTTaaa ttggactgga cgcggtggct catgcctggt aattaatccc 360  
 agcaactttg gggaggccaa ggcgggatgg cttagacca gcctggggta acatgggcaa 420  
 gacccntct ctaaaaaacc aaaanaagg 450

<210> 592

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T62918

<220>

<221> unsure

<222> (1)..(237)

<223> n = a or c or g or t

<400> 592  
 tttttttaag aatcttcttg gcctctttat taagagccct ctgccttncc aggggagggga 60  
 agcaaactct tcagggcccc cagagttcct gcaccccata tcatgggtga gnctaccagc 120  
 cacagagcca ccggtcaccg tggagaggct taagntgcac tcagagctcc ccccgggcat 180  
 gccgaatgta gtgttgatgc agccctgctt cctgagcaaa gtctgaccg cactctg 237

<210> 593

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T64211

<220>

<221> unsure

<222> (1)..(301)

<223> n = a or c or g or t

<400> 593  
 ttttttnntt tgtggatttt ctttttaatg caaaatgttg caatacaaaa caatgtggag 60  
 aaagcctggt cctcaggcac tgaagggagg agtgaggaag agaggacaga gctggacgtc 120  
 tcctcctatt tctccctccc caagtcactc tgaggggaag aacactgctg cctgctccct 180  
 gggcctgccg catacaagg tagagccctg ggtctggggc atccttagcc tgaaatttgt 240  
 tgacatgggg caggagagca ggaggggaaca ttgaggggtt tgactcttcg ggctctaaaa 300  
 g 301

<210> 594

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T64223

<220>

<221> unsure

```

<222> (1)..(290)
<223> n = a or c or g or t

<400> 594
gaatttnana gcattaagtg cattttatatt tattgtatta gcacataaat tgatgaagcc 60
acatgggtgaa aatctgtgag aaactgaagg ttttcatttg ttttctgtgc cccactgtat 120
atcacctttc aaaataatgc tttctgctgg gtccaaactt cacttggagc aaagaaaggt 180
agttaaaagg tttcacttaa agctacttcg ttatgggtgc tactgaaagt aaggtaaaag 240
caaacagcag taacatgggg actttaantg aggcaagaga agggattcag 290

<210> 595
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T67053

<220>
<221> unsure
<222> (1)..(445)
<223> n = a or c or g or t

<400> 595
ttctggttgt caatgaggat atttattggg gtttcatgag tgcagggaga agggctggat 60
gacttgggat ggggagagag acccctcccc tgggacccct gcagctccag ggtnccgtgg 120
gtnggggttag agttgggaac ctatgaacat tctntagggg ccactntctt ctccacgggtg 180
ctcccttcat gcgtgacctg gcancntag cttctgtggg acttccactg ctcgggcgtc 240
aggetcaggt agctgctggc cgcgacttn ttgttgctct gtttggaggg tttggtggtc 300
tccactcccn ccttnacggg gctgccatct gccttcagg gcactntcac agctcccggg 360
tagaagtcac tgatcagaca cactagtgtg gccttggttg cttggagctc ctccagaggan 420
ggcgggaaca gagttacagt gggga 445

<210> 596
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. T67105

<220>
<221> unsure
<222> (1)..(444)
<223> n = a or c or g or t

<400> 596
ttancaaaca tttattgatt gcacaaatgaa acaatctctc ctttcagata tatacatcag 60
tttactaaaa gagtagatac aaaggtcagg aagtaattac aatgcaatgt gataagttta 120
ataatatagg tttgacagca tacagnggag ggggtgattg gggttnaggt gatggtggga 180
tattggccag gtaatatttc atggaccaag tgatgacaac ataggggttc acagatggat 240
aagagtcttc caagtntacc agggggaaat atacatgtgt ggggtgcaaa acagagtatg 300
gcatttcctg anagtcagan nttnatataa gagtataaag tncaagagaa tgggataagt 360
agctagggag gtaaggccag acaggntagg cnagtcctag gggcctttca ggccatgggn 420
agganaacgt ggggcttcac ccta 444

<210> 597
<211> 244
<212> DNA
<213> Homo sapiens

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<220>  
<223> Genbank Accession No. T68873

<220>  
<221> unsure  
<222> (1)..(244)  
<223> n = a or c or g or t

<400> 597  
ntttttttttt ttttcaagtc aaaactgttt tattgtcngt ttacatattt aatagaaaaa 60  
ggaatgtagc aaatgctcag gggtgtatga aaaaaaaatc caggtttggt caggttgctc 120  
tgtttacatc tgggagcagg gctgtcccca catcaggcac agcagctgca cttctccgac 180  
gcccctttgc agacgcagcc ctgggacact tggcacagcc atggnagacc aggagcagca 240  
gctc 244

<210> 598  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T73433

<220>  
<221> unsure  
<222> (1)..(346)  
<223> n = a or c or g or t

<400> 598  
gggagaaata accagctatt gttccgcatt caaacagaaa ttcagggtgct tgcattctttc 60  
acgtattggt caaaaatcac aagcatctgt ggaaaaaac taaggattta cagacactac 120  
acggagggtca tggtcttaca ttcaagacac taaatacaaa ccgangcant gcaaaattgt 180  
atactttaat tttaaaaccc antttttggt ctcaacttga aaagggnaac acttttttgt 240  
ttcacaaaca agctgggtcg gggtgggant tctttttggg aacagtaggt cccgcgctaa 300  
acactgggtt cttgcctccc caccctcctt ctctaaaatn aaccca 346

<210> 599  
<211> 475  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T78398

<220>  
<221> unsure  
<222> (1)..(475)  
<223> n = a or c or g or t

<400> 599  
agtattgggt gtagttttat ctgtcctttt tttattcctt taattttaaa aaaaaaaacc 60  
tttaaaactag gcaaaattac tttcctttta acaaaaacca cattttcatg cttcttgata 120  
acttttctta aaccaaatac atgtcctact tcccttatac actttcgatg gagaattttt 180  
tctcttgat ttagtaattt caattatata cattttattac aatgttaact ttaggtaac 240  
tcttattttt aggtgaaaaa ccttgggagg gtaggccgtt ttaattatgg taccaggatg 300  
gcaaagggtc aggaacaagg ggaccaagcg ggggaggctg ggcctagggt cataggcctt 360  
aaaaacttta aatcttaagg gataaagggg nggggggnac ggtggggcct caccgncctg 420  
ttaatcccgg tgggttgggg gaggggagag tgggggtggg gntcacnggg ggtca 475

<210> 600  
<211> 445

<212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. T79768  
  
 <220>  
 <221> unsure  
 <222> (1)..(445)  
 <223> n = a or c or g or t  
  
 <400> 600  
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 tttttcacag atgaggaatt taaggcccag aggaaggtaa tatcagaatt agtgacctcc 120  
 gcaccagca cacacacagg acaggggaaa ggggtgggaga gatgcatgca ctgggaccct 180  
 gggatagatt caagataccc ttgctggggg aggggtggggc tggccgttag ttctaactca 240  
 gtcttctcag tgccacctcc agccccctgtg ggtctttatg ggggcccacac tctttatcca 300  
 tctttccttg ggggtgatggg agggcatggt cgccagcatt aaggatcttc ccagncacag 360  
 gatggcacgg ccccgggcct tctttgatat tattaggtgg gcttctgggg gntttcttcc 420  
 ctgccgncct tccacaactc agggc 445  
  
 <210> 601  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. T85532  
  
 <220>  
 <221> unsure  
 <222> (1)..(408)  
 <223> n = a or c or g or t  
  
 <400> 601  
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 attttttttt ttttaaatta gtgaagtgtg gtactgcaca cccgaagtcc cagctacttg 120  
 ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180  
 tgcaccacta tgctccagag tctaggcaac agagtgcagac cttatctctt taaaacaaac 240  
 aagaatgaag ttaggtatct gtttatttgt ttgagccatt tgtatttcct tttttgtagg 300  
 actgtcctgt ttnaaacgtt aaaatcactg ctgtngggtt tngattttta catctcagct 360  
 gggatgggca ccaattaaat tatttnaggc cctgggttat tgnaaaaat 408  
  
 <210> 602  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <223> Genbank Accession No. T86148  
  
 <220>  
 <221> unsure  
 <222> (1)..(459)  
 <223> n = a or c or g or t  
  
 <400> 602  
 atttttatat gaaggttttc tgggtgaaatc ttttaagcag ggaggaaaat ccaataaatt 60  
 tttttaaaaa ggttttagcta ttccccaatg ctattttaata caattgaggt taggacgtta 120  
 agtcttatca gactgtgtac tggagccccg tgatcatcagc aaaagccgtg tgagtcaaca 180  
 ggtgtgaaga ctcaagatgc gcacacagac gctgtccgtg gttttatggg gaatgatgag 240

```

ggctggtcag ttctcctcat gacaaaagtc aaaccgaactt ccctgtgttg cgtgtgaagc 300
ttgttagtgg acagaggagg aaacgcaggg ttctgccctg gggagnatga cagnccacag 360
cgcttggggg nccgtcaggg ctttcgtgtn cagtttagcgt ttcacaaact ngaggaggag 420
tattaaaana gcccaaacc caaagtttct ttttttcaa 459

```

```

<210> 603
<211> 357
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T89160

```

```

<220>
<221> unsure
<222> (1)..(357)
<223> n = a or c or g or t

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```

<400> 603
atgctgctat gacagaatac ccaagactga gtaatttata aagaaaagta atttatttct 60
acagtgccag ggtctgggaa ggtgctggta tctgggtgagg gctttcttgc tgcattcattc 120
catggcagaa agtgagaggg tgagagaggg acaaggagg ggaactgaac tcattccttt 180
atcagtaacc cactcctgca ataactaatc cactcccaca ataacaacat taatctattc 240
atgagggcag agctntcatg acctagtcac ttcttaaagg ttctacctta actccattgc 300
tttgggggat taaatttcaa catattaaac ccttggggagg gacacattcc aaaccac 357

```

```

<210> 604
<211> 494
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T89703

```

```

<220>
<221> unsure
<222> (1)..(494)
<223> n = a or c or g or t

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```

<400> 604
gtagaaaaca aaaatggaac atttattngc aactcaaata ctacgcatat acagtaagaa 60
nttaaataata aacacagcaa gttccacccc agtcctattt gtccaaggct gcatgggtcaa 120
atggaatctt gaagagaaca cctggncaac agagcanctn tcagcgacgt ctccgggtctg 180
gactttctgct gcgtcttcgg ccacctctcc ncttgctttt tgggtggaccc cgaacaaaaac 240
accagtcaac ggtgatgggc tgtcccatca aatcctgggc cattgagtcc ctccatagca 300
gcctggggct tccttgtagt tttcatattc agctaggagt ataccctgtg cagatattcct 360
gttcgcctgt cgagggttag gatgaatgtt tttaatttcc coatattctg cggaatttgt 420
cgtgtatgtn ttctgcggna ggcttcctca tggacttcca gttacaaaga gantccagnc 480
ttcagcagag cggt 494

```

```

<210> 605
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. T90190

```

```

<220>
<221> unsure
<222> (1)..(391)

```



<223> n = a or c or g or t

<400> 605

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tantnntcca gctcttttat tgagatcagt ggtggctctg aaaagcgtnt ttnggggtttt 60
agaagtaggc gttcgctaata ttcttcttgg gcgcgcgttc ttaggcttga caaccttggg 120
cttagcggcc ttggnttcac agccttagca gcacttttgg cagctttctt gggcttcgca 180
accttggcct tctttgggct cttagcaactt tcttgggttac agtggccgcg gcggtntct 240
tcgctttctt cggngttttc ttagecgtct tcttcggagt tgcgccgcca gccgcccttc 300
ttgggcttct tggctncccc aactggcttc ttaggtttgg gtccgccgcg cttttnaacc 360
ntggggcttg gncttccccg gagcttgctt t 391
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<210> 606

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90619

<220>

<221> unsure

<222> (1)..(483)

<223> n = a or c or g or t

<400> 606

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gannntnntg ggctcggcgt ggtgggtgaag ctgtagcctc gctcagtgag gatctncatg 60
aggtagtcgg tcaggtcccc gccagccagg nccagacgca ggatggcgtg ggggagggcg 120
tcggtacgaa tgggcaccgt gtgggtgacc ccgtctccag agtccatgac aatgccagt 180
gtgcgccag aggtangagg gacagcacgg cctggatggc acgtacatgg ccgggggtgtt 240
gaaggtctca aacataatct gagtcactct ctctctgttg gccttggggg tccaggggggc 300
ctcggtcagc agcactgggt ctctctccgg ggccacgcgc anttcgtttg tagaagggtgt 360
nggtgccaga tctttctcca tgtccgtccc agtttggtga cgatgccatg cttcaatggg 420
gtantttcag ggtcaggatg ccangtttgc tcttgggcct tcgttcgcca cgtagggaat 480
tct 483
```

<210> 607

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T90889

<220>

<221> unsure

<222> (1)..(224)

<223> n = a or c or g or t

<400> 607

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natgaacagt atataatcta atctctttta ttttatgtac atgaatataa tgtatgtcaa 60
ctttgtacat gagatacata tagtatttaa acattttact caacaaacaa gaatttacia 120
tagcaatata actgactaga gggctatcaa cttaataata cttagattag atctgtactt 180
taataggaaa agaatttaat agttttacaat catagaaaca ctgacattta aaa 233
```

<210> 608

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T94447

<220>  
<221> unsure  
<222> (1)..(305)  
<223> n = a or c or g or t

<400> 608  
ttaattatng atattccccc tcaccgccct cagggancgg gagaagtcac acgaccatag 60  
ggagcttgga cttggtgggc gtcacgggtgc tggcagacga gggctcttcc aggaaccct 120  
tgctagaatc agccctcata caagtgtgct cagagatccc aggagcgatg gcatcctccc 180  
gaagtcacta ccccatatg tctccttggg cttcttcccc ctctctttct ggaacctgac 240  
caggcagaac gcagcaactg ncagcaacag cagccccagg gagcacccca atcagagntc 300  
cgcc 305

<210> 609  
<211> 302  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T95005

<400> 609  
ctttattgaa aacattgagt gcagaaataa accctgctca tgaatgggaa aattcaattt 60  
tacacagggtg ctgattttat ccagactgat ctatagattc agctgggttc cattctacat 120  
ctcaaggggt ttttgggggg aatttgacaa gctgattctc aaggttacat ggaagagcaa 180  
gggccgagac tagagtttag gagatgattc ccaaaggcac aggggcagaa aaatgaccag 240  
tggaaccaca tagaaaaatc aattattgta ttttcaatgg atcactaggc agcaggggaaa 300  
ag 302

<210> 610  
<211> 352  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T96171

<220>  
<221> unsure  
<222> (1)..(352)  
<223> n = a or c or g or t

<400> 610  
tgccatggtg gcaggctagt ctcgaactcc tagcctcaag tgateccact accttggtt 60  
cccaaagtcc tgggattata ggcattgagca ctgtgcccag cccatagatg gcttttatta 120  
ccttaaggta tgtcatgagt aaccttttaa ttctccataa aattaattat tgtgtttttt 180  
gtttgcttgg ttttctatga ccctatcata aattcaactc caaactctgc accaattttt 240  
tttaaacttt actcaagaat ttagggccac ataaacattc caacaaattt gtcttcgtag 300  
ggnaaatctt ttccagagtt tttncctact atggcctaata gcgcagnggt ca 352

<210> 611  
<211> 358  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. T97243

<220>  
<221> unsure

<222> (1)..(358)

<223> n = a or c or g or t

<400> 611

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nngttatnaa gttaaattctc tttaatatcc caatacaaag tactgatgca aaaagacaat 60
gagaaaaccc aggaagttgg ggggtggggg gtggggagag gttttataaa taaaaaaccc 120
cgagcagctt ttcagaggca gaggagctaa gagaagcagc agtccaaagt gaggaaggga 180
gtgtgtggct cctgggacct gccccttgct ccctcactca cagctgctcg taaacacccc 240
tttcaaaagg ggctgcaccc ttgggatatc tgcttctttc tcttgggcc tggggacggc 300
aactagctct ggcttcaatc ccctacaaaa attcctgaga tcttcggggg accccagc 358
```

<210> 612

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T98019

<220>

<221> unsure

<222> (1)..(348)

<223> n = a or c or g or t

<400> 612

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ataaaatagg gctggccana gagcactcac cgtctccctt ttgagttttt cccgcttgng 60
tccaattcca cgagcagccg agctcgctcc aagtcatgcc ggagccgctg ccaggacttg 120
agctgttctt taagggccca gttcttatcc tcagaatctc tctgtagagg caaacgaag 180
atcagaggat gattagaaaag ccagaggaaa ggtcaacagg gagaagagag cccagggaaa 240
ctcaggtcaa gccaaaagag ggagcacagt aatttatttg gtagttgcct caatctgtgt 300
tttccccaag gccttgggaa gaattaaatt cttttggtat tgnntttt 348
```

<210> 613

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. T98288

<220>

<221> unsure

<222> (1)..(307)

<223> n = a or c or g or t

<400> 613

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tgagtcattg gncttgctct gtcactcagg ctgaagtaca gagacacaaat catagctcac 60
tgctgtccca acctgctgga ctcaagtgat cctctctctt cagcctcctg agtagctgag 120
gctactggca tgcacccacc ctgataggng ttttttattt tttagggatg gggctcttgct 180
atattgcaca ggccagtctt gaaccctggg gctcaggcaa tccctccacc tcagcctcct 240
gagnaattgg ggactacagg tgtgaaccac ggatgcctgc ctaatttttt tttttttttt 300
gagacag 307
```

<210> 614

<211> 2376

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U02020

<400> 614

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cgcgcgcccc ctgtcctccg gcccagagatg aatcctgcgg cagaagccga gttcaacatc 60
ctcctggcca ccgactccta caagggtact cactataaac aatatccacc caacacaagc 120
aaagtttatt cctactttga atgccgtgaa aagaagacag aaaactccaa attaaggaag 180
gtgaaatatg aggaaacagt attttatggg ttgcagtaca ttcttaataa gtacttaaaa 240
ggtaaaagtag taaccaaaga gaaaatccag gaagccaaag atgtctacaa agaacatttc 300
caagatgatg tctttaatga aaagggatgg aactacattc ttgagaagta tgatgggcat 360
cttccaatag aaataaaagc tgttcctgag ggctttgtca ttcccagagg aaatgttctc 420
ttcacggtgg aaaacacaga tccagagtgt tactggctta caaattggat tgagactatt 480
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gattttggct acagaggagt ctcttcccaa gagactgctg gcataggagc atctgctcac 660
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ggtgaagatc taagacattt aatagtatcg agaagtacac aggcaccact aataatcaga 960
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aaattacatt gccttttgtc cattaatcag caaataaaac atggccttaa caaagttgtt 2040
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ctgcccttgg tagaatatgt attaatcatt ctacattaaa gaaaataatg gttcttactg 2160
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gccaaatttg aaaggcctgt actgcaattt tatatgtcag agattgcttg tggctctaata 2280
atgcacctca agattttaag gagataatgt ttttagagag aatttctgct tccactatag 2340
aatatataca taaatgtaaa atacttacia aagtggtg 2376
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<210> 615

<211> 5102

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U03688

<400> 615

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cggggctcgg cgagcgaggc acccttctcc gtcccatcc caatccaagc gtcctggca 180
ctgacgacgc caagagactc gagtgggagt taaagcttcc agtgagggca gcagggtgcc 240
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cggagccggc tgtcccgcgc cactggaaac cgcacctccc cgcagcatgg gcaccagcct 360
cagcccgaac gacccttggc cgctaaaccc gctgtccatc cagcagacca cgctcctgct 420
actcctgtcg gtgctggcca ctgtgcatgt tggccagcgg ctgctgaggc aacggaggcg 480
gcagctccgg tccgcgcccc cgggcccgtt gcgtggcca ctgatcgga acgcggcggc 540
ggtgggcccag gcggctcacc tctcgttcgc tcgctggcg cggcgctacg gcgacgtttt 600
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ccagatccgc	ctgggcagct	gccccatagt	gggtgctgaat	ggcgagcgcg	ccatccacca	660
ggccctggtg	cagcagggtc	cggccttcgc	cgaccggccg	gccttcgcct	ccttcctgtg	720
gggtgcccgc	ggccgcagca	tggctttcgg	ccactactcg	gagcactgga	agggtgcagcg	780
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<212> DNA

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<213> Homo sapiens

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<212> DNA

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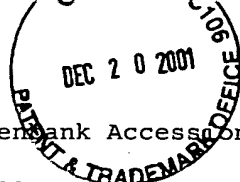
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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U62015

<400> 637

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U65579

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<211> 2717

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. U72649

<400> 640

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```

<210> 646

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. U96094

<400> 646

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tcccttcaac ccacacggtc tgcaacccaa ctctaattca acctgccaga aggaatgtta 660
gaggaagtct ttgtcagccc ttatagctat catgtgaata aagttaagtc aacttc 716

```

<210> 647

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. V00563

<400> 647

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ctaaccgtgc aacgggtgag atgtgactca taatagata 159

```

<210> 648  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. V00594

<400> 648  
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 aaagagtgc aatgcacttc gtgcaagaaa agctgctgct cctgctgccc tgtgggctgt 180  
 gccaaagtgtg cccaaggctg catctgcaaa ggggcgtcgg acaagtgcag ctgctgcgcc 240  
 tgatgctggg acagccccgc tcccagatgt aaagaacgcg acttccacaa acctggattt 300  
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 atgataataa aa 372

<210> 649  
 <211> 3565  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. V01512

<400> 649  
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 cgctctgtac tccaaccgca tctgcagcga gcaactgaga agccaagact gagccggcgg 180  
 ccgcggcgca gcgaacgagc agtgaccgtg ctctaccca gctctgcttc acagcggcca 240  
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attgtgtttt	taattttattt	attaagatgg	attctcagat	atttatattt	ttatttttatt	3420
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<210> 650

<211> 448

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W02204

<220>

<221> unsure

<222> (1)..(448)

<223> n = a or c or g or t

<400> 650

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tacttggaac	accttagcca	tcattcaatg	ccaaaatggt	tgggtttttt	tcatatcaca	180
tccgtcctat	cttttcatct	tcagtgaatc	attcctcatg	tttgtaatta	aagccatatt	240
taccatcata	atctgcagtc	acccgagctc	attttgctct	gaagccagtg	atattaagct	300
gttctatttc	taacgtgtcc	cttaacttga	ttctaagtaa	aagcagcaag	cagtgggtat	360
ttaatataca	aactcatcaa	attccacata	anacatttaa	ccacagnntt	aaaaactcca	420
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<210> 651

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W20486

<220>

<221> unsure

<222> (1)..(378)



<223> n = a or c or g or t

<400> 651

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ggctnggntc ggggcccagc accggtggga gcggggcttc tctggcctcg cgcgcggggg 120
acgngccctt tcccctccgg ggaacgcgca ggaggcaccg cggccccngg gttggaacaa 180
acgcgtttac tgcaggcaag gcggcgggcn cggggcggct tcaccaggcg aagaggggct 240
tgcgtcctcc ttggagaagc tccgcacagg cagttgaagc agcagcagca agtcgcccag 300
gaacttgggg ggcaccacgt cgatgaccag cttgcgcacg cggccccggc ttgctgtgca 360
agggggttgg cgcgcagg                                     378
```

<210> 652

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W28214

<220>

<221> unsure

<222> (1)..(687)

<223> n = a or c or g or t

<400> 652

```
ttttcangag ctggcccttt caactcagtt taggggcgca gccagctcnc ttcccaatag 60
ggctctttct gctttccctc tccttgggcc tagatttgta atccatgaaa aagcacaagg 120
tcctggctcc ttgcggtcac attctggttc tctgtgtttg gtggactctg ctctcactgt 180
tcaccagca ctagcagtac cagatggttc tgtggagtc tggggaatgg agagagcaca 240
gtctgactcc ctgccaagta gccaggagtt gacttgccca tggtcgctg gctttccac 300
cacttcctac aggatgggat ctaagagact caagagctgg gtttctttca gnactctgta 360
ctgtcccaaa tagnaaacia ntcacttngt ggccagattt ctgaatggaa atgagaaatt 420
gaattcagct tgggacttaa ccaggctgac tngntagggg ggnnnnncan nnnnnnnntn 480
gntcaannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnn                                     687
```

<210> 653

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W28548

<220>

<221> unsure

<222> (1)..(870)

<223> n = a or c or g or t

<400> 653

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tctcacacat tcacgcatcc agtcatccac tcagaggcca accagtcaca cattcactca 60
ctcacaaaaa cacagggttg gatgaccatc atgtgccagc ggcataagggt ggggataacc 120
ctgagttcct ggtgcagaaa ataagattct cagtttttga ccttggttg agaaggacct 180
atgaaatcaa gatagacctg gagaatcctc cctgtcccca cccactcagg cacactcagc 240
tcaaccaaga gggaggccca aaccccagtg aagcccaagg ggcagagcca agctgtggat 300
atgtcagagt ttcttgggca tcttctctgc tgccctgcctc tttccaatct tggttcagat 360
cagggaagca ggaagtatgg gaagatccct gcatggcccc ttgaggcat cctaattggga 420
cggaattggg gagtttctta tattttcatg aaatatccta tttngggctc ctngtgttgg 480
tggaacttga gtgattctgn agggcaggag cctccagtga ngagttggna gggatcttgg 540
```

```

aaaactggnt ttnattttat ttgggtgggt cggaattcag ttgggcttaa ccaggntgac 600
ttgcaaaggg gggnnnnncn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840
nnnnnnnnnn nnnnnnnnnn nnnnnnnccc
870

```

```

<210> 654
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W31470

```

```

<220>
<221> unsure
<222> (1)..(296)
<223> n = a or c or g or t

```

```

<400> 654
cgggcgcaga gggcggttat tnggacctgt ccttcccagc cgctgcttgt ccaggttcag 60
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cgcttgacc ccggccgtca cggacgtacc tactggatgc agatgggtcca gggatctggg 180
ggctctggga gagggtgtg tggactgcgg gccacgctgg acaaaggcag gggcttcctc 240
agaagctctg ctggtcacgc aggcgtccgg cccacggctt tcaacagccc tgcaag 296

```

```

<210> 655
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W33172

```

```

<220>
<221> unsure
<222> (1)..(353)
<223> n = a or c or g or t

```

```

<400> 655
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gaggatatca tcaaattctga caatctggaa agcctttgaa actgttcttt tcctaagcac 120
agtattcagc tgtgtcctct tgaaccata tctatcaggt caacagcttt agccatttcc 180
acatgatatt ggctgtgggt ttgtcatata tagctcttat ttttttgaga aaccgttcta 240
tcaataccta gtttattgag agtttttaag catgaaaggg ccttttgaaa tttttggtcg 300
nacgggcctt ttcctggcaa tcctatttga gnataaatcc aagccgggtt ttt 353

```

```

<210> 656
<211> 437
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W33179

```

```

<400> 656
tttttttttt attttcataa cttgcttctg ttgatttttt ttttttgtaa aactttccca 60
agacattttc agacttaaaa ataaagtcag tgttacaggt gctggtcagc cttcttactt 120
gtacctcaaa cactgggata aaggaggcgg tccagggcaa tgcagtgatg tctgtcaaga 180
cattccccct cccctaaact cagtagcagt tgaggatgac atttcaggct agagagaccc 240

```

```

aaaatacctc tgttccacct gagagcaagg tggaagttgc atcagctact gcccgaagtg 300
agcttcatct tctgattgtg ggctttggag gaacgagaga actgggtctt gggcactgtg 360
gaggggtaca gctttgccac tcaaataatac cttattgtgg gcattcaggg agccagggtc 420
cagagctgca gggctgc 437

```

```

<210> 657
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W37778

```

```

<220>
<221> unsure
<222> (1)..(383)
<223> n = a or c or g or t

```

```

<400> 657
agaggttttt tattcggccg ggagcatcag cagactcgca tcttaagagc cgagctcccc 60
gaaaaagaaa ttcctagccc tttgaaggnt tgacaactct aaggggtcta cgtgaaagag 120
tcataataga tcaagtaagt gtgaggaatg tgactgtggg ctacctacat cagctaacag 180
tacaaaaagt tttacagtgc tttctcacac aatgtctgga atttacagat aacaccagta 240
ngttttgggc aggggttaat attattatca ttctaaccac cagggccagg tgggtggcgcc 300
aaggtcgtct agctatttat ctttcttctg tttctttcca actttttgct ttctcccttt 360
tctcctgtct tataaactag gga 383

```

```

<210> 658
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W42778

```

```

<400> 658
gaaaacaaaa atttattgct tctccttcca aagctttgtg aattttacaaa aaaaaggatg 60
aaagtttaca aactgcttag ttccaactaa gcataagagg tgagaacgta cactgcaggg 120
ccaccagcag cagctgtgca ctcgatcggt aaaactggct ccccagact tgtagtgctg 180
tcttcagggg gctgcattcc ttacacgccca cctcttgtga catagggtcat tgggtcaagcc 240
gctggaatgc tacagagggt tttttgggtt tgagaggctt ttttttgttt tgcttcccta 300
ctataaaaagc gaaattttca gttcatttct gaaaaataaa ttggtcaata aattcatttt 360
gttctgcttc tactttacac aaa 383

```

```

<210> 659
<211> 476
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W44760

```

```

<400> 659
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gggtgagaga agagagaagc agaaaccaa agagaaacag aagtaataat cagttatcac 180
atgattttta tagtaaaca tagaatatga tgtgcaatag tgcaattttc ctttgctagt 240
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ttagttgcgt gcttgccggg gggtcgagtt cctgccagac ttctgactct gagtggaatc 360
actattgcta gaatcacttt tactgagtc aagatgacga agcttcatat cccagcgctt 420
aactttttta ccgagtcgat cttccactt ctcagctata gagccttcca ccaaga 476

```

<210> 660  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W45531

<400> 660  
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caaaatctga gtaatttatc accttttaac atcttcaaca tatttataat ataaatattt 180  
tttaaaaaaac cgattattaa actaatactc ccctggaaga acaagaggac taattttcgg 240  
tgacgacaga cttgtgctga tccatcatct ggaactccta aagacctgaa tggctgactg 300  
ggattagtga ctactatctg gttttactgg ttttactcta ctaagcccat gattttgtgg 360  
ttttaaccaa ttaagaaaat tatccccaag cacaataaaa at 402

<210> 661  
<211> 534  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W45664

<220>  
<221> unsure  
<222> (1)..(534)  
<223> n = a or c or g or t

<400> 661  
ttttttccta aagtcattta ttttcttcga gaactctgga cattccataa ctgggtgtgt 60  
agtatgagta gaatgaattc agtgctagcc tcttgctgga gagggacaag tgcaggttta 120  
gaattacagc ttatgttaga aggttctctt ctcatcgata cttcatgtt agaagaaaga 180  
ggacagaggc agagctgatg gaatctcata aaataacagc taatgccgtg tgcaggcac 240  
tatgcttaac aagtatctgt ttaacatgtg taaatgctct ttagctcttg cttttctata 300  
atataaaaaca gtcctgggag tcctgttctt ccccttcctt tctctcgtgt cttttggact 360  
gtcttttngc agcctctggc ctttctcatt atctactaca gcttgctacc tgactcatca 420  
aaggcacatg ggtgttgcaa gagaggatgg gaacccgggtg gtttatacca ttaaaactggc 480  
cattataaca gggagctata aggtggaaaa ataggagncc aggaaataaa gccg 534

<210> 662  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W46395

<220>  
<221> unsure  
<222> (1)..(444)  
<223> n = a or c or g or t

<400> 662  
ttttttgcac ttcgcccaca caggacagtg gagccccacc tggtcagttc cacttccggg 60  
ctcccatgca cttgcccagc gcggcctctt tgggacgggg atggtttgag gaaacacttt 120  
taaagaaaaa aggaagacat tgaaagggtt tagtttcttc cctatctgca tgcctctca 180  
tatagaaagc ccagaattag gggctagaac tccaggagag ggtctccccg actcatctct 240  
tgctgacggt caccaggatg cagaaatagg gagatgggta gtggggggcca aagatgcccc 300

```

ctcccaggcc ttcgtgggtc ctcctccgc cccctgcaat ctttgggagg agtcagtgcc 360
tcactccagc agtgagtgcc tactgtatgc aggtagtcag ccaggcaaag agagactaac 420
gggtctcatgg gggaacctct tgan 444

```

```

<210> 663
<211> 489
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W49708

```

```

<400> 663
ttttttcacc gcagagatgt ttttattgaa atgcatgtta tgagtaacac atgaactccc 60
tctggcccag gtgggacttc ttccctcata ggtgggtcag gcccagtggg acagtcttgg 120
tgggtggaag aagggagcca agtgacagaa ggtctccaag gcataggaga tgggtgtccg 180
tgagtctggg gaaccgagga ttatgaagcc tgctggaagc cttggtatgg tatggttctt 240
ctcagctgtg gctgcagatt tctcttcatt ggctgcctcc tctgaaaaca gactcctctt 300
ttctgcaatt aatcttttaa ctctaccat ccactgactt gacctcagtc acatggtcaa 360
ccatgagggg gcggtggatg tcatctgctg cgtcccaccg gtggcttgaa aagctcttgc 420
accagtagag ccattctctt ctttacaggg tattgacaac tttcctccaa gccactgtt 480
ccttgcaag 489

```

```

<210> 664
<211> 678
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W51743

```

```

<220>
<221> unsure
<222> (1)..(678)
<223> n = a or c or g or t

```

```

<400> 664
cacaaaaaaaa aaatcactaa aaattcccac aaatcttgtt tctggcactt tagaaaaact 60
gcaaaaaaaaa acgtaataaa gaatacatat atatatatct acacacaaat tatatatcta 120
tctatctata cagcgggaacc acaagagaga ctgaggaagg cctggaggca ggggcagagg 180
tgacgacagt gccctatat ccttaaccce tactcctctg aggcaaacag gcatgggaaa 240
atggaagggt tgaggatgga ccggagaatt ggaacttcag aatagggtcaa aattccaaaa 300
ccatggacat ttttttttgg gagaattgag attgtagaca tttttttttt cttaaatatg 360
atcaaggaaa atagcttcca gaatgtgggt gttctgggca acaaatgaga ttgtggcgac 420
gtggagatta aaatatatgt atttgagctg gggaatttga atattgtgag tttcagatgt 480
tggaattttg ggattttgca gttttgtctt ttgaaaatga tcaagtcttg tcagttcgtg 540
ccctctttcc ccatgttccc tgggaagacg ggtggtggca gagtgagaag gccactgggtc 600
tgtgccgcac acgcaaaatt tagaatctcc agctagctct atcgtgtgag gnccagatta 660
gggaantgcc atattacc 678

```

```

<210> 665
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. W52065

```

```

<220>
<221> unsure
<222> (1)..(453)

```

<223> n = a or c or g or t

<400> 665

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tttttttttt ttttttcaga ggtcaaatca cttttattct ttaaggattc agtgtaacat 60
ccttttcttt aataaaataa ttaaactactg gcagaaatta acttattcaa aaagtcatac 120
taatactttg ttatgacttt ttatagaaaa acaaacttta tttttttatt tttttgagat 180
ggagtcttgc tctgtcacct aggctggagc gcaatggcac gatctcagct cactgtagcc 240
tccacctccc aggttcaagc gattccccctg ccttagcctc ccgagtagct ggaattacag 300
gtgtgcgcta ccatgcctgg gctaattttt gtatttttag tagagatggg gtttcaccat 360
gttgggaagg ctggtttcga actcctgacc tcagggtggat tcaçccgcct tggcctccca 420
aagtggctgg gattataggc gtgacagcct gna 453
```

<210> 666

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52638

<220>

<221> unsure

<222> (1) .. (466)

<223> n = a or c or g or t

<400> 666

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ctcagtttgg gaccaaactg cttggatctt tgtaaaaacc cggttttgta tgtcaaggag 60
gagtttaagg cctttccgac caccttgtgt tccccttttc tgcgcaccat gtatcacgtg 120
gagttgctcc ttaccacacc tcacgtgccc ctgagcccta tttcctgatt tcttctgggc 180
tggaactccc cgttctccac cagcagctcc agtatcccaa actttctagt cctgctgatc 240
ctcccagcaa cgggggtggaa actggagggc agtgtctggg ctgttttcta agaaacttat 300
gaattctatt atctttacaa atatgagaaa attttttcaa tattttttat taatcttttt 360
ataaaatgaa aagaaactcc tatgatcgat taagggaagg gggtatggct ggggtggttca 420
ggggtttttt tgggtttcnt tttttttttt cnttgtcctt ttaacg 466
```

<210> 667

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W52858

<400> 667

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cacggccaaa atccataaag attataaaag caaactaagt tgtgaagcta tagtacatgt 60
aggcatttag ttaagtatag caattcaaac tgacctgcat ccatccaaaa caaattcctc 120
cttcaacctt atttttactt gaaatttgct agaagaaata gcaaaccgga aatttgtttt 180
atgcatgagt taataccact ggctcagcaa atacaagtta gtttgcttta agcaggtaac 240
tttttttgta atggaacgaa atgcactaca aagttaagac agatttttgc taagtgcagg 300
aggcccttta ttattgctgc agaaaacaaa agcctggctg agttgatgtt ttacattctc 360
ccttactgaa atctacatga catgatgctt cttgctgggt ttttgtacat ggtaaacatt 420
ggatcaagctg tgaaagaaaa tgggctggag gtgtgctttg gtgtggaaag ggtgagcaat 480
aaaggatatcc gggttaagttc cccaaaaaaa a 511
```

<210> 668

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W56792

<400> 668  
catcattttt tattgtaaga aaatacacag tttgaaagtg tgaataatgc aatattttatg 60  
accaagaaat gggacttagg aaggggaagg aagataaaga aaaagatcaa gatgatctga 120  
ttgagagaca gtgttgaact ccaaatactg aactggaaaa ggaggagggt ggggaggaac 180  
aggaggagga agtaaaaaaa tttgatcaga gaaacagtta aaatacaata tgaaaaataag 240  
taatacctct ccttaaattc cttctataca caaaatacac gatttgccaa agcccaattt 300  
gtgctactgg gattctgtga gtccttaag tgtattcaca tcctctgcaa cagcagaaaa 360  
tgattatgat acaatcagaa tatgctgaag acaagttaaa ctcttgccag caggttcctt 420  
aaaaat 426

<210> 669  
<211> 426  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W57931

<220>  
<221> unsure  
<222> (1) .. (426)  
<223> n = a or c or g or t

<400> 669  
tttttttttt tttttgggag gcaggagttg ctttttattg acttggaagt gggctcttca 60  
gtgaagcccc tttggtnta agagcatttt cctgcttcct ttgttcttcc tgcaacttct 120  
gctgcctgag ctgccatgct tgtaatccag cgtccatttc ctgtgacagc agtacaactc 180  
gtcttgcaaa cgtctccctt tcagcttttc ttcgaagctg gcctttcatt gggggagcag 240  
ggcggccatc cgattatgac cagtctggga gtcggtaag gggcccgtaa gccgganggg 300  
ttggcagcca agtccttgct gtantcgcca ctggccgccc gcccaagcgg ttacnttgca 360  
gtgcaccctt ccggacacct gtgaagagaa cagtccttaa agcagccatg tgagcagcct 420  
cgtgcc 426

<210> 670  
<211> 98  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W60186

<400> 670  
aacttacaaa caaaaatacc gtaataataa acccaaacaa agaccctcag cttgctgcca 60  
cgttctctat gcggtttggc ggggcgggta tttacaag 98

<210> 671  
<211> 597  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W63793

<220>  
<221> unsure  
<222> (1) .. (597)  
<223> n = a or c or g or t

<400> 671  
ggaactgaga aaacagcaaa gttgactaaa ttttatattt cttgtcctct aaatattttg 60

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ataatttctg gattgatgca gtgatgtttt tgttccttcc gtattttataa atgaaacacc 120
tttttttagt gtttctaaac ctaaaatcta cttggtttga aatcaagtgg ttggaacact 180
gtttgacttt tatttgaagc atgttggtga ttgaaaattt cattgaggaa gttttcaatc 240
agtgtgatca gtttgattct gtaatgagca cagcacctaa tattttgagg agctctgttt 300
tgaggaccaa tgcttaaggt ggactttgtt cgtaaacaat atcccaatag atttggtgac 360
ttgaggctctg gtttggtttt gtttttgttt tgttttgttt tgttttgttt ccaatagaat 420
taagaattct aatgttgaaa aactgcacaa atttttatgg gacaaaagcct agaaaagaga 480
aatgtagttt gaatcataac caaaaccacg gatgatagaa gagggaaaagt ttggggccat 540
aatttctcct tctactggtg tgacctaaac cgttggaag gaattccggn cccaatt 597

```

<210> 672

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67225

<400> 672

```

ttttgtgttc caataaaatt ttattaacaa aatatgacag tggggggggcc acagtttgcc 60
aaactttgcc ttggaggaca tgcagaggca ccctcagaat tcagtgaataa cctgctccca 120
tattgctaag actcatgaag tataatctct catcttcttt ctctttcccc tgcccaagcc 180
ctaagttagg gttcccatcc atataacaaa gacttctggt caggtggcat ttgctatctc 240
tgagattccc tgcccatgaa agccacaaag agatttcttc ttttacacac cctgaagcat 300
attatggccc cagcaaggct aactaaatca aactgtggtt taaaaacaaa acaaaccaac 360
cactgtgaaa tatttatttt tgtttttagt tattaagcat gattaaacca gtgcagaaaa 420
atactaagta cattgggtaa aagatga
447

```

<210> 673

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W67577

<220>

<221> unsure

<222> (1) .. (411)

<223> n = a or c or g or t

<400> 673

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ctaattacta cctttttattc taatgtgaac catggggcct ggaaagctga taacaagctt 60
ggctgagcag agggaactag gggtcaggca gaaaggatta tgggntggaa aacattggct 120
cttccttggt nagtgatgc tngggaaagg ggaagagagt ggctcancct ggcaggtaaa 180
taggctagaa aagccaaggc caaanctggn gaggggagag gacagtcagc atgtccagcc 240
tggggtctgg gtgtaagggt tatcccttct ccctgggtgcc ttcccatctc gtccatgagc 300
ctaaggctctt gggagccttg tgttgggagg ctgctgtgat gtcagggaac ggggatctgt 360
ctagcttttg gccacttcct ggggacctca caccctgtt tganaaattg g
411

```

<210> 674

<211> 473

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W69302

<400> 674

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gctttcgggt gttccttggt gactgggaat tgcttgtgtg catgtgttgg gtgcatgctt 60
ccgggtctca gctgccccag gccgcacag gcaaccctt cccatccaaa gccattgggt 120

```



```

gagcttctct ggaatcattt gccaaaagcc caaggcagaa tccaaggggc caagaccatt 180
tccatggagc tcatgttttt cttttctgta ggaacttttt ttttaaccagc acccaccata 240
attccgaagc cacgtttcat ctttcctgga tcactacagt gaagtattac acgttgtaca 300
cgttcccagt ctggccttgg cttgctcgga taaaactttg tatgtatttt gtatggcata 360
gattctatat tgtaatgatg tcctatgcaa aaagagaaat taacgaaatt gtaaatttta 420
ttgttttaac gtgtatgcat gtttagtgac gtttacattt tgaaataaaa ttt 473

```

<210> 675

<211> 128

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W70131

<400> 675

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gttttttgac ttcatttatt atataaggaa cctaactcaa attggcttaa gcaattaata 60
aatgtttatt gttacattgt tgtaatgtgg ctggaaatcc agaagtcata caaatctgtc 120
aggattgg 128

```

<210> 676

<211> 428

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W70167

<220>

<221> unsure

<222> (1)..(428)

<223> n = a or c or g or t

<400> 676

```

cagttctgtc ccttcgagaa aaacgtggaa tcgacgagga ccttcctgca gacggtgagc 60
agtgagaagg tccgctccac taatctcaac tgctcagtga ttgcggaagt gaggcatgac 120
ggctccgagc cctgcgtcgg acgtgctgtt cggagacggg catcgctcga ttatgcgcgg 180
cgtcatctca ccgctctgga aatgctcacc gccttcgcct cccacatccg ggccaggagc 240
gcggcgggca gcggggacaa gccgggcgct gatactggtc gctgacagcg ccaaagagac 300
caacaagatg atttttagcgt ggactaggac acttaaccta agaagagttt cacttaatca 360
ttcaaatac tatctgaagg gtcacggagc gcaaaataaa gtttaaaacc ctgctaccaa 420
aaaaaaaa 428

```

<210> 677

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. W73038

<400> 677

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tttttttttt ttttttaaaa atcagatggg gactttattg tgatggtggc aggtccacca 60
gcagatgcaa atgtgggggtg ctgagagtgg caacacaggc caccctaaac caacttcact 120
ccctcccctg tcctcagcca gtacagaagc caaatgtagc cccagcccta gactccagcc 180
caggcagagt ccaagggagg ggtgtcaggg tcagaagtca caggagagccc agtgactatc 240
aaggtggctg agagcaaggc tagggtaggg atggggcaga gaaagggcag ggggtgcagc 300
ccaggtggcc caaagcaaca cagaggagca agggctggca ttcaagtcag caggtccct 359

```

<210> 678

<211> 620

<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W73790

<220>  
<221> unsure  
<222> (1) .. (620)  
<223> n = a or c or g or t

<400> 678  
ctggttgaca aagaggggtat ttattgaggg tttactgggt acanggagaa gggctggatg 60  
gcttgggatg cagagagaga cccttcccct gggatcctgc agctccaggc ccctttgggt 120  
ggggtcgggg ctgggaacct atgaacattc tgcagggggc accgtcttct ccacggtgct 180  
cccttcgtgc atgacctggc agctgtagct tctgcgggac ctccactgct cgggcgtcag 240  
gctcaggtag ctgctggccg cgtacttggt gttgctctgt ttggagggcg tggcatctc 300  
cacgccctgg gtgatggggg taccatctgc cttccaggtc accgtcaaga ttcccggata 360  
aaagtcattc atgagacaca ccagtgtagc cttgttggct tggagctcct cagaggacgg 420  
cgggaacaga gtgaccgagg gggtagcctt ggntgactta aaacggtgag ctgggtcccg 480  
ctgccaaaca catgcgtcac tgagttatgc ttggattgaa accccggggc cancaattgg 540  
ggcagtcagg gagccgcctt gaacaggaac ctgcccaccg gttcctaagc ttgaccgctg 600  
nttctccagg gtccaggncc 620

<210> 679  
<211> 697  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W73859

<220>  
<221> unsure  
<222> (1) .. (697)  
<223> n = a or c or g or t

<400> 679  
tggacacgct caggctggcg tccagctaca tcgcccactt gaggcagatc ctggctaacg 60  
acaaatacga gaacgggtac attcaccggg tcaacctgac gtggcccttt atgggtggcg 120  
ggaaaccgga gagtgacctg aaagaagtgg tgaccgcgag ccgcttatgt ggaaccaccg 180  
cgtcctgacc ttggaggtgc gagtctggga aaggcgcgct cccgggggga ngcgcncnct 240  
gggaaggcga ccctgcccct cagtgtcttc tgtctctgct tccccctcgc aatgctcctc 300  
tctctgtccc accccgcgag aacactttac aacgacgagg agattcgttt ccaaaccaga 360  
ggagatcaat tgtacttaca aagattccca tctatttaac tttattaact tctaccgtga 420  
atgactctgc aagccttgct ggtccaagtg caatatgtaa ttataaatat ataaatagat 480  
aagagcctat caatgtatct tttgtacaat atgttgtaaa atgtagatca taggatagct 540  
gactttgaca gtcacattta taaagtaatt cacttaaaga tatatatattt tccaacaagt 600  
ttgcactttt gaaataaacc ttctttatat gctaaaaaaa aaaaaaagat nggcggantt 660  
tccttggggg gtaattantt gatgcgcggt aangcgg 697

<210> 680  
<211> 676  
<212> DNA  
<213> Homo sapiens

<220>  
<223> Genbank Accession No. W74533

<220>  
<221> unsure

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<222> (1)..(676)
<223> n = a or c or g or t

<400> 680
tttttcagtt ggacacaaat gtattttattt taccctagca atagaacaaa atataatttc 60
tttagccatt tttcatgaga atagttcatt gtacagttga ggaaacatat gaaataaggc 120
ctgtggttga ttgctagtgg ttaagcatgt tttcaatctt tgccttaatg taaaagattt 180
gcagtgaact gcaaactgat gcagaatata tctcctgctt ttccaagtct tgtcaggaat 240
agtaaggtag agtaaatattg tcccacagga ttttaaagcc tacgtcttgt atataatata 300
atgcaggcct acaaaaatgg tgcagccata tttacaaatt tagttcacag actgctgcag 360
taaaatggct ggaaagtttt gttttgcttg tttcacaatt tctctaaaca gcagcagaat 420
cttaaaatac ctggctggca tctcttttct ttgtaacaaa taattcactt tagtatactc 480
tgtgtatata caaagttttt gtatgtttta taaaaattca cagaactgca aggttcagtc 540
acttttttac accagagaac cacaggtaaa gagcactctt caagcagagt tgagggactg 600
cgnagccaat ggtgccttat tattaaaccc gcatgggcct ggatcctagc tgagataagn 660
tgtaccacgc atgcct                                     676

<210> 681
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W76181

<220>
<221> unsure
<222> (1)..(487)
<223> n = a or c or g or t

<400> 681
cgaggagtgc gggcaaagct gggcctgcgt gagattcgca tccacttatg tcagcgctcg 60
cccggcagcc aggggtcagg gacttcattg agaaacgcta cgtggagctg aagaaggcga 120
atcccgacct acccatccta atccgcgaat nctccgatgt gcagcccaag ctctggggccc 180
gctacgcatt tggccaagag acgaatgtcc ctttgaacaa cttcagtgtc gatcaggtaa 240
ccagagccct ggagaacgtt ctaagtggta aagcctgaag cctccactga ggattaagag 300
caacagcccc agagcctggg ctctgctgga cttagtataa tgtgaaaaaa atgtgttctc 360
ctattcctca taaagcttgt gctgtaaaat actttctcag ggtgttcttg tctcatcta 420
ccctctaccc cttactgtgc aaccactgag gcaaagtagc ttaatatataa aataaaactt 480
tattctggtc tcaaaa                                     496

<210> 682
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<223> Genbank Accession No. W78127

<400> 682
gaaaagacgt gcttgtcatt cttaataaac aactagagta agaatacata agagaaacag 60
agtggatatc ttatatgata cacaagtgtg tgttacaaga attccatcag gcacaggagc 120
ctcaggtttt aaggcctcaa tgttaggcca acaaaaaaaaa aaaaggcatg gtaaaagttt 180
tactttttaca tctaaaatgt cacttgtcat aaaggagggt gtaatagaaa ttgtctttta 240
taaatacataa ttgaagtcc cctcattttt cttccattaa gatgctaagt ttatgtctga 300
tcatgaagaa agaaa                                     315

<210> 683
<211> 418
<212> DNA
<213> Homo sapiens

```

<220>  
 <223> Genbank Accession No. W86513

<220>  
 <221> unsure  
 <222> (1)..(418)  
 <223> n = a or c or g or t

<400> 683  
 ccagtgaaac tcatttttatt ttcagctgaa aaatatacac agataagcat taaaattgaa 60  
 ttattatagg ttttctgaaa ataaaatttt acaataactta tgtttaacaa agattaaaaa 120  
 attcaaacaa atcaggaagg cacaggctct gtaaaatgta ataaagaatt tagtccatac 180  
 cttgatgcat agtgggtggca ttaaatggca caatttttctg gtatcatgcc tgccctgcctt 240  
 agatctcaaa cagacctact ctcttttctt tctttctcat cttaacaaac ttttgataat 300  
 caagcatcat agtatgacaa agagagtaac aagagctgtg caggccagca catccagaga 360  
 gcagtactga aaccaggtga gcttgtgggc aggtngcagc aggtacttgg gctccatt 418

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 <211> 265  
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 <223> n = a or c or g or t

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<213> Homo sapiens

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<223> Genbank Accession No. W94333

<400> 687

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<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. X00371

<400> 689

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<212> DNA

<213> Homo sapiens

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 <212> DNA  
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<220>  
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gactgcccc	gacttccttc	ggagttgggg	gaattgggga	cgcctggacg	cgttggtttt 240
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. X57348

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tcagcccggt	cagctacca	ggaggccatg	gacatcagca	agaaggagat	gccgccacc 660
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<210> 710
<211> 915
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X57809

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<211> 1195
<212> DNA
<213> Homo sapiens

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<220>
<223> Genbank Accession No. X59766

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<210> 712

<211> 2152

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X62320

<400> 712

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<210> 713

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X64177

<400> 713

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aaaaaaaaa                                     367
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<210> 714

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. X65614

<400> 714

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<223> Genbank Accession No. X65965

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<223> n = a or c or g or t

<400> 715

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DEC 20 2001  
TRADEMARK OFFICE

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2461

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1392

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<213> Homo sapiens

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<210> 731

<211> 1890

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Y12711

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1890

```

```

<210> 732
<211> 2038
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. Z11793

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ccagctgcct gacaaataag tcagcagctt ataccacag aagccagtgc cagttgacgc 1140
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tattgcttag taagtatttc catagtcaat gatggtttaa taggtaaacc aaaccctata 1920
aacctgacct cctttatggg taatactatt aagcaagaat gcagtacaga attggatata 1980
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```

```

<210> 733
<211> 260
<212> DNA
<213> Homo sapiens

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```

<220>
<223> Genbank Accession No. Z38266

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<400> 733
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gcagagcaat tcaccagcac catcatcaag tgagctacaa atctatcttt taccagagca 180
aggagacact taagatcaat tcaagagaat agctttcagt gttcacagaa ggggtactca 240
cattcatttg tcacatattt
260

```

```

<210> 734
<211> 270
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. Z38744

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```

<220>
<221> unsure
<222> (1)..(270)
<223> n = a or c or g or t

```

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caacacacag tcatgctgga aggcattctg tcttactctg ttggtttcat gtaaattgtt 180
ggggtgactc attccgctc ttctnttctc aagttccagg cttcttgggt agacaaaaac 240
taatacacia tgttagagca cacaagagac
270

```

```

<210> 735
<211> 287
<212> DNA
<213> Homo sapiens

```

```

<220>
<223> Genbank Accession No. Z38785

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```

<400> 735

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atccaggtgg ttttatttag taaaatttta caaaagtcag ggctgacttc ttggctctgc 60
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gctctcgag gccagtggtg cgacctcctg tccacaaccg tgagggacaa aggcctgtcc 180
ttgaggtgc tgggcagggg cccaggcagt aagtgagggc acctgcgagg ctctgaggac 240
acagcacatc tgtacaccct catggtgccc tgaccacaca gcagcca 287

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<210> 736

<211> 323

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39904

<220>

<221> unsure

<222> (1) .. (323)

<223> n = a or c or g or t

<400> 736

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tcttatttta aagtttaaat ctaattaata tattctgact aacataatca tccaaagata 120
aaagtatttg tgatggcaaa tggacagaac aatcatttag gtagcatcta ggaatattgc 180
tacaattact ttacataaat ngaaatccac gtctttatta gtaatgtnc acacatctta 240
gagtaaaaaa ttacataaga taggcttata aatatacata aatctcaaaa ttaatcacia 300
acattaggta cacaattgtt ata 323

```

<210> 737

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z39983

<400> 737

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catctttgta aatacgggct tttattcact gccagctcca ggatggaagg aggggggtgaa 60
tcatgcacag ccttggtcta ccctccaaca ctaggcagtg ctggacaggg gactcagaaa 120
gggaagcaga gtgggctgtt gatgtctgga aagctccctc accagagtgc ccagtgggtc 180
acacagcatc atgggggatg agctggggct ggagtcggct gtatctgaca ccagaccctc 240
cattcaagct cccttgatga caacgccac aacagggctc ggctgatgct ccgttctgcc 300
acgactcctg ctgggtgatc gtggga 326

```

<210> 738

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40186

<220>

<221> unsure

<222> (1) .. (254)

<223> n = a or c or g or t

<400> 738

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cagtttttat ttatttttat ttgatttttt tttccttaag aatcatagta aaccttagca 60
gtagttgggc actgcatgaa aaatgaagtt tacatagttt atattatgta cataaactag 120
tgattttacat tgattttacac atgattggng cctaatttat taatcagcac gcagcatgta 180
aatgtgtcga aaagaaatca aggttttaaaa taagttttcc ataatttca taaacatttt 240

```

cgctggtgta aatg

254

<210> 739

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40556

<220>

<221> unsure

<222> (1)..(346)

<223> n = a or c or g or t

<400> 739

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ccagcctgcc cttccttcct ccagctggct ggatttatta tnagccagga gaaagcagcc 120
ctggaaccca gactctgtct ccccttgag gtcacagatg ttgaagttgg aatctcgctc 180
cttcccctga ctaccatcct aggctgggcc tcaagactag tgaggcctgt cccaccatc 240
cctggccttg ttgtggggct caggaaactca gagtcccagt gttgagtctg ggagcactag 300
gtcttcatag ttccaggccc agagctacag ctgggctggg agcatg 346
```

<210> 740

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40715

<400> 740

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aaaattcctt attttatttc aaaaaatgta ggggtgggga agtaacatga taaacattac 60
gatcagctcc ctatgggttc attctgcctc tgcgggggtc gggggcatac agtagctggg 120
gggcatgcc a ttgccatggc aacccagatg cttagatgca ggtccctcct ggctgcttag 180
agctgggggg actagggccc ctccccgaaa gccccattc tgagttgttg gtgcctgccc 240
ttccctgaa tctaagaact gattagtggg ttagactgca acagcagctc ag 292
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<210> 741

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z40898

<400> 741

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ggtcggttat ctgcatttat tatgagaatc aacagtcaac agttaatgat tgactaactc 60
ttgttggtca ctctggacat taacgaaaaa gactggaata gggctacagc gctgctttta 120
tgctacacgg gttatgcttg gactctgact cccagcagca ggtagattca ggaattcatg 180
gcagtgcacat tcaccatcat gggaaacacc ttcccttttc ttcaggattc tctgtagtgg 240
aagagagcac ccagtgttgg gctgaaaaca 270
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<210> 742

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<223> Genbank Accession No. Z41642

<220>  
 <221> unsure  
 <222> (1)..(333)  
 <223> n = a or c or g or t

<400> 742  
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 gagaaagggg atgaaactga aggaaccagg actctggagg atgcaggatg ctgtttctct 120  
 ggatgagatg tactctgcca ctgtntctctc tgggcacttt cagatgatgg ggtctgagat 180  
 gtgtcctcag gctgcatcag ctgtcttcag tctccagaac agaaagagcc tgaccagggg 240  
 gcatcttggt ggccaccaga accaggtttc tgggagagag ttcaggactg aagatgggca 300  
 ggagctcagc atggaaacct gggagaaaagg gcc 333

<210> 743  
 <211> 1569  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. Z48501

<400> 743  
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 gagcgtgctt tggacacccat gaattttgat gttataaagg gcaagccagt acgcatcatg 180  
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 ctggacaaat ccattgataa taaagcactg tatgatacat tttctgcttt tggtaacatc 300  
 ctttcatgta aggtggtttg tgatgaaaat ggttccaagg gctatggatt tgtacacttt 360  
 gagacgcagg aagcagctga aagagctatt gaaaaaatga atggaatgct cctaaatgat 420  
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<210> 744  
 <211> 4553  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> Genbank Accession No. Z69881

<400> 744  
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<211> 5086

<212> DNA

<213> Homo sapiens

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<223> Genbank Accession No. Z74616

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<213> Homo sapiens

<220>

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